

TO: Howard L. Rhodes
FROM: Clair H. Fancy
DATE: September 9, 1997
SUBJECT: FINAL Permit No.: 0250001-001-AV
Florida Power and Light Company
Cutler Plant

HOWARD OUT
I SIGNED

This permit is for the initial Title V air operation permit for the subject facility. The facility consists of two (2) boilers subject to 62-296.405, F.A.C., which were not issued construction permits. There are also three (3) unregulated emissions units consisting of painting and solvent cleaning, mobile equipment and engines, and an emergency diesel generator. The two boilers are the Acid Rain units at the facility.

We received seven comments from the Florida Power and Light Company on the DRAFT permit. All concerns were resolved and resulting changes incorporated into the PROPOSED permit.

We received no comments from Region 4, U.S. EPA, regarding the PROPOSED permit.

This is the Tallahassee office's *second* FINAL Title V permit. I recommend your signature.

Attachment

CHF/tc

STATEMENT OF BASIS

Title V FINAL Permit No.: 0250001-001-AV
Florida Power and Light Company
Cutler Plant
Dade County

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. 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 permitting authority, in accordance with the terms and conditions of this permit.

This facility consists of two natural gas and fuel oil fired conventional steam electric generating stations, designated as Units #5 and #6. Both emissions units consist of a boiler/steam generator which drives a single reheat turbine generator, and are equipped with a 150 foot exhaust stack.

Unit #5 is comprised of a Combustion Engineering outdoor-type boiler/steam generator and a Westinghouse outdoor reheat condensing steam turbine which drives a hydrogen-cooled generator with nameplate rating of 75 megawatts. The emission unit is fired on No. 2 or No. 6 fuel oil with a maximum heat input of 170 MMBtu per hour, or natural gas with a maximum heat input of 940 MMBtu per hour. It commenced commercial operation in November 1954.

Unit #6 is comprised of a Combustion Engineering outdoor-type boiler/steam generator and a General Electric tandem compound single reheat turbine generator with generator nameplate rating of 160 megawatts. The emission unit is fired on No. 2 or No. 6 fuel oil with a maximum heat input of 290 MMBtu per hour, or natural gas with a maximum heat input of 1620 MMBtu per hour. It commenced commercial operation in July 1955.

The control devices consist of multiple cyclones. Fuel additives such as, but not limited to, magnesium hydroxide are used to enhance combustion and facilitate furnace cleaning, in a manner consistent with Best Operational Practices. The emissions units are regulated under Acid Rain, Phase II, and Rule 62-296.405, F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input.

Also included in this permit are miscellaneous unregulated emissions units and/or activities.

Based on the initial Title V permit application received June 12, 1996, this facility is **not** a major source of hazardous air pollutants (HAPs).

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL TITLE V PERMIT

In the Matter of an
Application for Permit


Mr. Rudy Sanchez
Plant General Manager
Florida Power and Light Company
Environmental Services Department
P.O. Box 14000
Juno Beach, Florida 33408

DEP File No. 0250001-001-AV
Cutler Plant
Dade County

Enclosed is the FINAL Title V Permit Number 0250001-001-AV for the Cutler Plant located at 14925 SW 67 Avenue, Miami, Dade County. This permit is issued pursuant to Chapter 403, Florida Statutes (F.S.). No comments were received from Region 4, U.S. EPA. However, some generic changes were made to the PROPOSED permit based on U.S. EPA comments on an another permit, and are addressed in the FINAL DETERMINATION and contained in the FINAL permit.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., 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 Legal Office; 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 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.


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

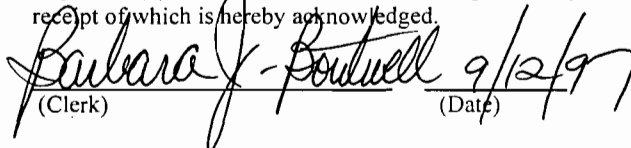
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 9/12/97 to the person(s) listed or as otherwise noted:

Mr. Rudy Sanchez, Florida Power & Light Company*
Mr. William Muly Reichel, Florida Power & Light Company
Mr. Kennard F. Kosky, P.E., Golder Associates, Inc.
Mr. Richard Piper, Florida Power & Light Company
Mr. H. Patrick Wong, Dade County Department of Environmental Resources Management
Ms. Carla E. Pierce, USEPA, Region 4 (INTERNET E-mail Memorandum)
Ms. Yolanda Adams, USEPA, Region 4 (INTERNET E-mail Memorandum)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) 9/12/97 (Date)

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

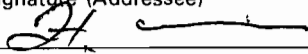
3. Article Addressed to:
 Mr. Rudy Sanchez
 Plant General Manager
 Florida Power & Light Company
 Environmental Services Dept.
 P.O. Box 14000
 Juno Beach, Florida 33408


4a. Article Number
 2 127 635 537

4b. Service Type
 Registered Insured
 Certified COD
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7. Date of Delivery

8. Addressee's Address (Only if requested and fees paid)

5. Signature (Addressee)


6. Signature (Agent)




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2 127 635 537



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Street and No. P.O. Box 14000	
P.O., State and ZIP Code Juno Beach, Florida 33408	
Postage	\$
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PS Form 3800, March 1993

Postmark or Date
 09/12/97
 FP&L - Cutler Plant
 FINAL PERMIT

FINAL PERMIT DETERMINATION

Florida Power and Light Company
Cutler Plant
Facility ID No.: 0250001
Dade County
Initial Title V Air Operation Permit
FINAL Permit No.: 0250001-001-AV

The Department received no comments from Region 4, U.S. EPA regarding the PROPOSED permit. However, based on comments on another PROPOSED permit reviewed earlier (Charles Larsen Memorial Power Plant), the following generic changes were made:

1. The citing of Rule 62-297.310(7)(a)10., F.A.C., in specific condition **A.31.(a)**, was deleted since no emissions units are exempt from permitting at a Title V source and the condition is only a statement referring the reader back to Rule 62-210.300(3)(a), F.A.C., which states the same.
2. In specific condition **A.31.(b)**, 4th line, the word “**shall**” was changed to “**may**” because of what has been approved in the SIP. The citing was also modified to contain the qualifier “**SIP approved**”.
3. The addresses and appropriate particulars were added for the Dade County Department of Environmental Resources Management office, and the U.S. EPA, Region 4 office in Section II. Facility-wide Conditions. Please refer to specific conditions **10** and **11**.
4. In Appendix TV-1:
 - a. Condition No. 11 has been flagged as “**Not federally enforceable.**”
 - b. Condition No. 55 was deleted due to duplicity with condition No. 17; and, the subsequent conditions have been renumbered.
 - c. Condition No. 54 has been flagged as “**Not federally enforceable.**”
 - d. Condition No. 56 (now No. 55) has been edited and the citing has a flag of “**(Chapter 62-281, F.A.C., is not federally enforceable)**”.
 - e. Condition No. 57 (now No. 56) has been flagged as “**Not federally enforceable until SIP approved.**”
5. In Section II. Facility-wide conditions., specific condition **9** was added to define the effective date of the permit as day one for any reporting, monitoring, or recording requirements that are time-based.

FINAL PERMIT DETERMINATION

Florida Power and Light Company

Cutler Plant

FINAL Permit No.: 0250001-001-AV

Page 2 of 2

6. Acid Rain Part: the following new conditions have been added to the part:

a. *(new)* 3. Emission Allowances. Emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

1. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.

2. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.

3. Allowances shall be accounted for under the Federal Acid Rain Program.
[Rule 62-213.440(1)(c), F.A.C.]

b. *(new)* 4. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3), F.A.C., shall be submitted within 60 (sixty) days after the end of the calendar year.

{See condition No. 51., Appendix TV-1, Title V Conditions.}
[Rule 62-214.420(11), F.A.C.]

In addition to the above, the following changes have been made for clarity:

7. In Section II. Facility-wide Conditions., in specific condition 7, the EPA compliance test method (**Method 9**) was added as the method of compliance along with the appropriate rule citing [Rule 62-296.320(4)(b)1. & 4., F.A.C.].

8. Due to the above changes made to Appendix TV-1, the latest version now carries the date of "08/11/97".

In conclusion, the changes that have been made are insignificant in nature and do not impose additional noticing requirements and, therefore, allow the permit to go final.

Florida Power and Light Company
Cutler Plant
Facility ID No.: 0250001
Dade County

Initial Title V Air Operation Permit
FINAL Permit No.: 0250001-001-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
Title V Section

Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-1344
Fax: 850/922-6979

September 9, 1997

Compliance Authority:

Dade County
Department of Environmental Resources Management
Suite 900
33 Southwest Second Avenue
Miami, Florida 33130-1540
Telephone: 305/372-6925
Fax: 305/372-6954

Initial Title V Air Operation Permit
FINAL Permit No.: 0250001-001-AV

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Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

Permittee:

Florida Power and Light Company
9700 SW 344 Street
Florida City, Florida 33034

FINAL Permit No.: 0250001-001-AV

Facility ID No.: 0250001

SIC Nos.: 49, 4911

Project: Initial Title V Air Operation Permit

This permit is for the operation of the Cutler Plant. This facility is located at 14925 SW 67 Avenue, Miami, Dade County; UTM Coordinates: Zone 17, 570.4 km East and 2834.9 km North; Latitude: 25° 37' 52" North and Longitude: 80° 17' 56" West.

STATEMENT OF BASIS: This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. 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 permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix E-1, List of Exempt Emissions Units and/or Activities

Appendix U-1, List of Unregulated Emissions Units and/or Activities

APPENDIX TV-1, TITLE V CONDITIONS (version dated 08/11/97)

APPENDIX SS-1, STACK SAMPLING FACILITIES

Phase II Acid Rain Application/Compliance Plan received December 6, 1995

Alternate Sampling Procedure: ASP No. 97-B-01

Order Extending Permit Expiration Date

Effective Date: January 1, 1998

Renewal Application Due Date: July 5, 2002

Expiration Date: December 31, 2002

for Howard L. Rhodes, Director
Division of Air Resources
Management

HLR/sms/tc

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of two natural gas and fuel oil fired conventional steam electric generating stations, designated as Units #5 and #6 by the Florida Power and Light Company. Unit #5 is comprised of a Combustion Engineering outdoor-type boiler/steam generator and a Westinghouse outdoor reheat condensing steam turbine which drives a hydrogen-cooled generator with nameplate rating of 75 megawatts. Unit #6 is comprised of a Combustion Engineering outdoor-type boiler/steam generator and a General Electric tandem compound single reheat turbine generator with generator nameplate rating of 160 megawatts. Also included in this permit are miscellaneous unregulated emissions units and/or activities.

Based on the initial Title V permit application received June 12, 1996, this facility is not a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID Nos. and Brief Descriptions.

E.U.

ID No. Brief Description

-003 Fossil Fuel Fired Steam Generator #5
-004 Fossil Fuel Fired Steam Generator #6

Unregulated Emissions Units and/or Activities

-xxx Painting and Solvent Cleaning
-xxx Mobile Equipment and Engines
-xxx Emergency Diesel Generator

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit, however, are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:

Initial Title V Permit Application received June 12, 1996
Additional Information Request dated December 18, 1996
Additional Information Response received April 4, 1997
DRAFT Permit issued April 24, 1997
Comments on DRAFT Permit received June 16, 1997
PROPOSED PERMIT DETERMINATION dated July 15, 1997

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-1, TITLE V CONDITIONS, is a part of this permit.
{Permitting note: APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}
2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]
3. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:
 - a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
 - b. certification forms and/or RMPs according to the promulgated rule schedule.[40 CFR 68]
4. Exempt Emissions Units and/or Activities. Appendix E-1, List of Exempt Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), F.A.C.]
6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
[Rule 62-296.320(1)(a), F.A.C.]

7. General Particulate Emission Limiting Standards. General Visible Emissions Standard.

Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.

[Rule 62-296.320(4)(b)1., & 4., F.A.C.]

8. Not federally enforceable. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following:

- a. In order to perform sandblasting on fixed plant equipment, sandblasting enclosures are constructed and operated as necessary.
- b. Maintenance of paved areas is performed as needed.
- c. Mowing of grass and care of vegetation are done on a regular basis.
- d. Access to plant property by unnecessary vehicles is controlled and limited.
- e. Bagged chemical products are stored in weather tight buildings until they are used. Spills of powdered chemical products are cleaned up as soon as practical.
- f. Vehicles are restricted to slow speeds on the plant site.

[Rule 62-296.320(4)(c)2., F.A.C.; Proposed by applicant in the initial Title V permit application received June 12, 1996.]

9. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

10. The permittee shall submit all compliance related notifications and reports required of this permit to the Dade County Department of Environmental Resources Management (DERM) office:

Dade County
Department of Environmental Resources Management
Suite 900
33 Southwest Second Avenue
Miami, Florida 33130-1540
Telephone: 305/372-6925
Fax: 305/372-6954

Florida Power and Light Company
Cutler Plant
Page 5

FINAL Permit No.: 0250001-001-AV

11. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4

Air, Pesticides & Toxics Management Division

Operating Permits Section

61 Forsyth Street

Atlanta, Georgia 30303

Telephone: 404/562-9099

Fax: 404/562-9095

Section III. Emissions Units and Conditions.

Subsection A. This section addresses the following emissions units.

E.U.

ID No. Brief Description

- 003 Fossil Fuel Fired Steam Generator #5
- 004 Fossil Fuel Fired Steam Generator #6

Fossil Fuel Fired Steam Generator #5 is a nominal 75 megawatt (electric) steam generator designated as Cutler Unit #5. The emission unit is fired on No. 2 or No. 6 fuel oil with a maximum heat input of 170 MMBtu per hour, or natural gas with a maximum heat input of 940 MMBtu per hour. It commenced commercial operation in November 1954.

Fossil Fuel Fired Steam Generator #6 is a nominal 160 megawatt (electric) steam generator designated as Cutler Unit #6. The emission unit is fired on No. 2 or No. 6 fuel oil with a maximum heat input of 290 MMBtu per hour, or natural gas with a maximum heat input of 1620 MMBtu per hour. It commenced commercial operation in July 1955.

Fuel additives such as, but not limited to, magnesium hydroxide are used to enhance combustion and facilitate furnace cleaning, in a manner consistent with Best Operational Practices.

Both emissions units consist of a boiler/steam generator which drives a single reheat turbine generator, and are equipped with a 150 foot exhaust stack. The control devices consist of multiple cyclones.

{Permitting note: the emissions units are regulated under Acid Rain, Phase II, and Rule 62-296.405, F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input.}

The following specific conditions apply:

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum operation heat input rates are as follows:

<u>Unit No.</u>	<u>MMBtu/hr Heat Input</u>	<u>Fuel Type</u>
5	940	Natural Gas
	170	No. 2 or No. 6 Fuel Oil
6	1620	Natural Gas
	290	No. 2 or No. 6 Fuel Oil

[Rules 62-4.160(2), 62-210.200 (PTE), and 62-296.405, F.A.C.; AO13-173751; AO13-173753]

A.2. Emissions Unit Operating Rate Limitation After Testing. See specific condition A.27.

[Rule 62-297.310(2), F.A.C.]

A.3. Methods of Operation. Fuels.

- a. Startup: The only fuels allowed to be burned are natural gas, No. 2 fuel oil, or No. 6 fuel oil, both with a 0.5% maximum sulfur content by weight.
- b. Normal: The only fuel allowed to be burned is natural gas.

[Rule 62-213.410, F.A.C.; AO13-173751, Specific Condition No. 1; AO13-173753, Specific Condition No. 1]

A.4. Emergency Operation.

No. 2 fuel oil or No. 6 fuel oil may be burned during emergency conditions, as authorized by Metropolitan Dade County.

[AO13-173751; AO13-173753]

A.5. Hours of Operation. The emissions units may operate continuously, i.e., 8,760 hours/year.

[Rule 62-210.200 (PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.6. Visible Emissions. Visible emissions shall not exceed 20 percent opacity, except for one two-minute period per hour during which opacity shall not exceed 40 percent. Emissions units governed by this visible emissions limit shall compliance test for particulate matter emissions annually and as otherwise required by Chapter 62-297, F.A.C.

[Rule 62-296.405(1)(a), F.A.C.]

A.7. Visible Emissions - Soot Blowing and Load Change. Visible emissions shall not exceed 60 percent opacity during the 3-hours in any 24 hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

[Rule 62-210.700(3), F.A.C.]

A.8. Particulate Matter. Particulate matter emissions shall not exceed 0.1 pound per million Btu heat input, as measured by applicable compliance methods.

[Rule 62-296.405(1)(b), F.A.C.]

A.9. Particulate Matter - Soot Blowing and Load Change. Particulate matter emissions shall not exceed an average of 0.3 pound per million Btu heat input during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.
[Rule 62-210.700(3), F.A.C.]

A.10. Not federally enforceable. Sulfur Dioxide. Sulfur dioxide emissions when burning liquid fuel shall not exceed 0.55 lb/MMBtu heat input, and 93.5 pounds per hour for Unit #5, and 159.5 pounds per hour for Unit #6, as measured by applicable compliance methods.
[AO13-173751 and AO13-17353, based on Metropolitan Dade County Code Sec. 24-17(2)(c)(iii).]

A.11. Sulfur Dioxide.

- a. When burning liquid fuel, sulfur dioxide emissions shall not exceed 1.1 pounds per million Btu heat input, as measured by applicable compliance methods.
- b. The No. 2 or No. 6 fuel oil sulfur content shall not exceed 0.5 percent, by weight. See specific condition **A.25.**

[Rules 62-296.405(1)(c)1.i. and 62-296.405(1)(e)3., F.A.C.; AO13-173751 and AO13-173753]

A.12. Nitrogen Oxides. Nitrogen oxides emissions shall not exceed 0.20 pounds per million Btu heat input, and 188 pounds per hour for Unit #5 and 324 pounds per hour for Unit #6, as measured by applicable compliance methods.
[Rule 62-296.570(4)(b)4., F.A.C.; AO13-173751 and AO13-173753]

Excess Emissions

A.13. 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 shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]

A.14. Excess emissions resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.
[Rule 62-210.700(2), F.A.C.]

A.15. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

A.16. A written quarterly report shall be submitted to the Department's Southeast District Office and the Dade County Department of Environmental Resources Management of all opacity exceedances of emissions limitations. The report shall state the cause, period of non-compliance, and steps taken for corrective action and/or prevention of recurrence. 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 (2) years and made available to the Department upon request.

[AO13-173751 and AO13-173753, Specific Condition No. 5]

Monitoring of Operations

A.17. Sulfur Dioxide. The permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit that will be verified with a fuel analysis provided by the vendor upon each fuel delivery. This protocol is allowed because the emissions unit does not have an operating flue gas desulfurization device. See specific conditions A.11, A.24 and A.25.

[Rule 62-296.405(1)(f)1.b., F.A.C.]

A.18. Determination of Process Variables.

(a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

A.19. A continuous monitoring system for NOx shall be calibrated, maintained, operated, and output recorded for determining compliance with the emissions limits.

[AO13-173751 and AO13-173753]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.20. Visible Emissions. The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C. A transmissometer may be used and calibrated according to Rule 62-297.520, F.A.C. See specific condition A.21.

[Rule 62-296.405(1)(e)1., F.A.C.]

A.21. DEP Method 9. The provisions of EPA Method 9 (40 CFR 60, Appendix A) are adopted by reference with the following exceptions:

1. EPA Method 9, Section 2.4, Recording Observations. Opacity observations shall be made and recorded by a certified observer at sequential fifteen second intervals during the required period of observation.
2. EPA Method 9, Section 2.5, Data Reduction. For a set of observations to be acceptable, the observer shall have made and recorded, or verified the recording of, at least 90 percent of the possible individual observations during the required observation period. For single-valued opacity standards (e.g., 20 percent opacity), the test result shall be the highest valid six-minute average for the set of observations taken. For multiple-valued opacity standards (e.g., 20 percent opacity, except that an opacity of 40 percent is permissible for not more than two minutes per hour) opacity shall be computed as follows:
 - a. For the basic part of the standard (i.e., 20 percent opacity) the opacity shall be determined as specified above for a single-valued opacity standard.
 - b. For the short-term average part of the standard, opacity shall be the highest valid short-term average (i.e., two-minute, three-minute average) for the set of observations taken.

In order to be valid, any required average (i.e., a six-minute or two-minute average) shall be based on all of the valid observations in the sequential subset of observations selected, and the selected subset shall contain at least 90 percent of the observations possible for the required averaging time. Each required average shall be calculated by summing the opacity value of each of the valid observations in the appropriate subset, dividing this sum by the number of valid observations in the subset, and rounding the result to the nearest whole number. The number of missing observations in the subset shall be indicated in parenthesis after the subset average value.

[Rule 62-297.401, F.A.C.]

A.22. Particulate Matter. Testing of particulate matter emissions shall be conducted if unit operation on oil, exclusive of start-up, exceeds 400 hours per year.

[Rule 62-297.310(7), F.A.C.; AO13-173751, AO13-173753, Specific Condition No. 2]

A.23. Particulate Matter. The test methods for particulate emissions shall be EPA Methods 17, 5, 5B, or 5F, incorporated by reference in Chapter 62-297, F.A.C. The minimum sample volume shall be 30 dry standard cubic feet. EPA Method 5 may be used with filter temperature no more than 320 degrees Fahrenheit. For EPA Method 17, stack temperature shall be less than 375 degrees Fahrenheit. The owner or operator may use EPA Method 5 to demonstrate compliance. EPA Method 3 or 3A with Orsat analysis shall be used when the oxygen based F-factor is computed according to EPA Method 19 is used in lieu of heat input. Acetone wash shall be used with EPA Method 5 or 17.

[Rules 62-213.440, 62-296.405(1)(e)2., and 62-297.401, F.A.C.]

A.24. Sulfur Dioxide. The test methods for sulfur dioxide emissions shall be EPA Methods 6, 6A, 6B, or 6C, incorporated by reference in Chapter 62-297, F.A.C. Fuel sampling and analysis may be used as an alternate sampling procedure if such a procedure is incorporated into the operation permit for the emissions unit. If the emissions unit obtains an alternate procedure under the provisions of Rule 62-297.620, F.A.C., the procedure shall become a condition of the emissions unit's permit. The Department will retain the authority to require EPA Method 6 or 6C if it has reason to believe that exceedences of the sulfur dioxide emissions limiting standard are occurring. Results of an approved fuel sampling and analysis program shall have the same effect as EPA Method 6 test results for purposes of demonstrating compliance or noncompliance with sulfur dioxide standards. **The permittee may use the EPA test methods, referenced above, to demonstrate compliance; however, as an alternate sampling procedure authorized by permit, the permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit that will be verified with a fuel analysis provided by the vendor upon each fuel delivery.** See specific conditions A.11 and A.25.

[Rules 62-213.440, 62-296.405(1)(e)3. and 62-297.401, F.A.C.; and, AO13-173751 and AO13-173753]

A.25. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D2622-92, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition.

[Rules 62-213.440, 62-296.405(1)(e)3., 62-296.405(1)(f)1.b. and 62-297.440, F.A.C.]

A.26. Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standards.

[Rule 62-297.310(1), F.A.C.]

A.27. Operating Rate During Testing. Testing of emissions shall be conducted with each emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

[Rules 62-297.310(2) & (2)(b), F.A.C.]

A.28. Calculation of Emission Rate. The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the separate test runs unless otherwise specified in a particular test method or applicable rule.

[Rule 62-297.310(3), F.A.C.]

A.29. Applicable Test Procedures.

(a) Required Sampling Time.

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

(b) Minimum Sample Volume. Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.

(c) Required Flow Rate Range. For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

(d) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1.

TABLE 297.310-1
 CALIBRATION SCHEDULE

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of at least three readings Max. deviation between readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually 2. One Point: Semiannually 3. Check after each test series	Spirometer or calibrated wet test or dry gas test meter	2%
		Comparison check	5%

(e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube. [Rule 62-297.310(4), F.A.C.]

A.30. Required Stack Sampling Facilities. When a mass emissions stack test is required, the permittee shall comply with the requirements contained in Appendix SS-1, Stack Sampling Facilities, attached to this permit. [Rule 62-297.310(6), F.A.C.]

A.31. Frequency of Compliance Tests. The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid fuel for more than 400 hours other than during startup.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- a. Did not operate; or
- b. In the case of a fuel burning emissions unit, burned liquid fuel for a total of no more than 400 hours.

4. During each federal fiscal year (October 1 - September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

- a. Visible emissions, if there is an applicable standard;
- b. Each of the following pollutants, if there is an applicable standard, and if the emissions unit emits or has the potential to emit: 5 tons per year or more of lead or lead compounds measured as elemental lead; 30 tons per year or more of acrylonitrile; or 100 tons per year or more of any other regulated air pollutant; and
- c. Each NESHAP pollutant, if there is an applicable emission standard.

5. An annual compliance test for particulate matter emissions shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid fuel, other than during startup, for a total of more than 400 hours.

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.

[Rule 62-297.310(7), F.A.C.; and, SIP approved]

A.32. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:

- a. only gaseous fuel(s); or
- b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or
- c. only liquid fuel(s) for less than 400 hours per year.

[Rule 62-297.310(7)(a)4., F.A.C.]

A.33. Annual and permit renewal compliance testing for particulate matter emissions is not required for these emissions units while burning:

- a. only gaseous fuel(s); or
- b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or
- c. only liquid fuel(s) for less than 400 hours per year.

[Rules 62-297.310(7)(a)3. & 5., F.A.C.; and, ASP Number 97-B-01.]

Record keeping and Reporting Requirements

A.34. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Dade County Department of Environmental Resources Management (DERM) in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by DERM.
[Rule 62-210.700(6), F.A.C.]

A.35. Submit to DERM a written report of emissions in excess of emission limiting standards as set forth in Rule 62-296.405(1), F.A.C., for each calendar quarter. The nature and cause of the excess emissions shall be explained. This report does not relieve the owner or operator of the legal liability for violations. All recorded data shall be maintained on file by the Source for a period of five years.
[Rules 62-213.440 and 62-296.405(1)(g), F.A.C.]

A.36. Test Reports.

- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with DERM on the results of each such test.
- (b) The required test report shall be filed with DERM as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- (c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow DERM to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:
 1. The type, location, and designation of the emissions unit tested.
 2. The facility at which the emissions unit is located.
 3. The owner or operator of the emissions unit.
 4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
 5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
 6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
 7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
 8. The date, starting time and duration of each sampling run.
 9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
 10. The number of points sampled and configuration and location of the sampling plane.

11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for DERM, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rules 62-213.440 and 62-297.310(8), F.A.C.]

Section IV. This section is the Acid Rain Part.

Operated by: Florida Power and Light Company

ORIS code: 610

Subsection A. This subsection addresses Acid Rain, Phase II.

The emissions units listed below are regulated under Acid Rain Part, Phase II.

E.U. ID

<u>No.</u>	<u>Description</u>
-003	Fossil Fuel Fired Steam Generator #5
-004	Fossil Fuel Fired Steam Generator #6

1. The Phase II permit application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application listed below:

a. DEP Form No. 62-210.900(1)(a), dated July 1, 1995.
 [Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

2. Sulfur dioxide (SO₂) allowance allocations for each Acid Rain unit are as follows:

E.U. ID No.	EPA ID	Year	2000	2001	2002
-003	PCU5	SO ₂ allowances, under Table 2 or 3 of 40 CFR 73	0*	0*	0*
-004	PCU6	SO ₂ allowances, under Table 2 or 3 of 40 CFR 73	0*	0*	0*

*The number of allowances held by an Acid Rain source in a unit account may differ from the number allocated by the USEPA under Table 2 or 3 of 40 CFR 73.

3. Emission Allowances. Emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

1. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.
2. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.
3. Allowances shall be accounted for under the Federal Acid Rain Program.

[Rule 62-213.440(1)(c), F.A.C.]

4. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3), F.A.C., shall be submitted within 60 (sixty) days after the end of the calendar year.
{See condition No. 51., Appendix TV-1, Title V Conditions.}
[Rule 62-214.420(11), F.A.C.]

5. Comments, notes, and justifications: None.

Appendix E-1. List of Exempt Emissions Units and/or Activities.

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Full Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining whether a facility containing such emissions units or activities would be subject to any applicable requirements. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., are also exempt from the permitting requirements of Chapter 62-213, F.A.C., provided such emissions units and activities also meet the exemption criteria of Rule 62-213.430(6)(b), F.A.C. The below listed emissions units and/or activities are hereby exempt pursuant to Rule 62-213.430(6), F.A.C.

1	Natural Gas Metering Area Relief Valves
2	Hydrazine Mixing Tank
3	Lube Oil Vapor Extraction Vents
4	Lube Oil Dump Tank Vent
5	Oil Separation Basin
6	Hazardous Waste Building
7	Paint/Lube Building
8	Miscellaneous mobile vehicle operation
9	Portable Unleaded Gasoline Tank
10	Portable Diesel Fuel Tank - 2" Vent
11	Evaporation of Boiler Chemical Cleaning Waste

Appendix U-1. List of Unregulated Emissions Units and/or Activities.

Unregulated Emissions Units and/or Activities. An emissions unit which emits no "emissions-limited pollutant" and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and/or activities are neither 'regulated emissions units' nor 'exempt emissions units'.

Emissions Unit	Description
-xxx	Painting and Solvent Cleaning
-xxx	Mobile Equipment and Engines
-xxx	Emergency Diesel Generator

Appendix H-1. Permit History/ID Number Changes

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^{1,2}</u>	<u>Revised Date(s)</u>
-003	Fossil Fuel Steam Generator #5	AO13-173751	02/27/90	02/22/95	08/14/96	04/19/90, 08/02/93
-004	Fossil Fuel Steam Generator #6	AO13-173753	02/26/90	02/22/95	08/14/96	04/19/90, 08/02/93

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

From: **Facility ID No.:** 50DAD130001

To: **Facility ID No.:** 0250001

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}

Table 1-1, Summary of Air Pollutant Standards and Terms

Florida Power and Light Company
Cutler Plant

FINAL Permit No.: 0250001-001-AV
Facility ID No.: 0250001

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID Nos.		Brief Description								
-003		Fossil Fuel Fired Steam Generator #5								
Pollutant Name		Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
				Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Visual Emissions										
Steady State		gas	8760						Rule 62-296.405(1)(a), F.A.C.	A.6
Soot Blowing or Load Changing		gas		20% Opacity					Rule 62-210.700(3), F.A.C.	A.7
				60% Opacity						
Particulate Matter										
Steady State		gas	8760				94.0	120.86	Rule 62-296.405(1)(b), F.A.C.	A.8
Soot Blowing or Load Changing		gas		0.1 lb/MMBtu			282.0		Rule 62-210.700(3), F.A.C.	A.9
				0.3 lb/MMBtu						
Sulfur Dioxide										
Startup		oil	startup	1.1 lb/MMBtu			187		Rules 62-213.440 and 62-296.405(1)(c)1.i., F.A.C.	A.11
Startup		oil	startup	0.55 lb/MMBtu***	93.5					A.10
Nitrogen Oxides										
Steady State		gas	8760	0.2 lb/MMBtu	188			623.44	Rule 62-296.570(4)(b)4., F.A.C.	A.12

-004		Fossil Fuel Fired Steam Generator #6								
Pollutant Name		Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
				Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Visual Emissions										
Steady State		gas	8760						Rule 62-296.405(1)(a), F.A.C.	A.6
Soot Blowing or Load Changing		gas		20% Opacity					Rule 62-210.700(3), F.A.C.	A.7
				60% Opacity						
Particulate Matter										
Steady State		gas	8760				162.0	208.29	Rule 62-296.405(1)(b), F.A.C.	A.8
Soot Blowing or Load Changing		gas		0.1 lb/MMBtu			486.0		Rule 62-210.700(3), F.A.C.	A.9
				0.3 lb/MMBtu						
Sulfur Dioxide										
Startup		oil	startup	1.1 lb/MMBtu			319.0		Rules 62-213.440 and 62-296.405(1)(c)1.i., F.A.C.	A.11
Startup		oil	startup	0.55 lb/MMBtu***	159.5					A.10
Nitrogen Oxides										
Steady State		gas	8760	0.2 lb/MMBtu	324			1,419.12	Rule 62-296.570(4)(b)4., F.A.C.	A.12

Notes:
 * The "Equivalent Emissions" listed are for informational purposes only.
 ** Values computed using the ratio of 3/21 for soot blowing/steady state per 24 hour day.
 *** Limit based on Metropolitan Dade County Code.

Table 2-1, Summary of Compliance Requirements

Florida Power and Light Company
Cutler Plant

FINAL Permit No.: 0250001-001-AV
Facility ID No.: 0250001

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.		Brief Description					
-003		Fossil Fuel Fired Steam Generator #5					
-004		Fossil Fuel Fired Steam Generator #6					
Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See permit condition(s)
Steady State	gas	DER Method 9	Annual	1-Oct	1 hour		A.20, A.21
Soot Blowing or Load Changing	gas	DER Method 9	Annual	1-Oct	1 hour		A.20, A.21
Particulate Matter							
Steady State	gas	EPA Method 5 or 17	Annual	1-Oct	3 hour		A.22, A.23
Soot Blowing or Load Changing	gas	EPA Method 5 or 17 ***	Annual	1-Oct			A.22, A.23
Sulfur Dioxide	oil	Sulfur limit with vendor fuel analysis	Daily				A.11, A.17, A.24, A.25
Nitrogen Oxides	gas	CMS	Continuous			Yes	A.19
Notes: *Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C. **CMS [=] continuous monitoring system ***EPA Method 17 may be used only if the stack gas exit temperature is less than 375 degrees F.							

DEP ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION)

1. Clair Fancy

3. _____

4. Barbara, please mail!

2. _____

5. Scott

PLEASE PREPARE REPLY FOR:

____ SECRETARY'S SIGNATURE

____ DIV/DIST DIR SIGNATURE

____ MY SIGNATURE

____ YOUR SIGNATURE

____ DUE DATE _____

ACTION/DISPOSITION

____ DISCUSS WITH ME

____ COMMENTS/ADVISE

____ REVIEW AND RETURN

____ SET UP MEETING

____ FOR YOUR INFORMATION

HANDLE APPROPRIATELY

____ INITIAL AND FORWARD

____ SHARE WITH STAFF

____ FOR YOUR FILES

COMMENTS:

Re: KINAC Title V Permit
KPEL Cutler
0250001-001-AV

I recommend issuance.

Our 2nd KINAC.

Thankyou Tom.

9/10/17

FROM:

Scott Sheplek

DATE:

9/9/17

PHONE:

Date: 9/23/97 12:36:27 PM
From: Elizabeth Walker TAL
Subject: Final Posting 9/15/97
To: See Below

I posted a Final permit on 9/15/97 on the Florida website. I do not recall sending a notification letter, so I'm sending this just in case.

CUTLER RIDGE 0250001001AV FINAL

If you have any questions, please let me know. The notification letter is attached.

Elizabeth