

*Barbara File*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**NOTICE OF ADMINISTRATIVELY CORRECTED TITLE V OPERATION PERMIT**

In the Matter of a Request for Administrative Correction:

Mr. John C. Hampp  
Sr. Regulatory Specialist  
Florida Power & Light Company  
Environmental Services Department  
P.O. Box 14000  
Juno Beach, FL 33408

FINAL Permit No.: 0250003-001-AV  
Project No.: 0250003-003-AV  
Turkey Point Fossil Plant

Enclosed is the ADMINISTRATIVELY CORRECTED page to the initial Title V operation permit, 0250003-001-AV for the operation of the Turkey Point Fossil Plant located 9.5 miles east of Florida City on SW 344 Street, Florida City, Palm Drive, 33034, Dade County. This correction is issued pursuant to Rule 62-210.360, Florida Administrative Code and Chapter 403, Florida Statutes (F.S.). This corrective action does not alter the effective dates of the existing 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 ADMINISTRATIVELY CORRECTED PERMIT (including the corrected page) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 10-18-99 to the persons listed or as otherwise noted:

- Mr. John Hampp, FPL \*
- Kennard F. Kosky, P.E., Golder Associates
- Richard Piper, FPL
- Isidore Goldman, DEP Southeast District
- Robert Wong, DERM
- Mr. Gregg Worley, 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.

Sandra Knight  
(Clerk)

10-18-99  
(Date)

ADMINISTRATIVE PERMIT CORRECTION  
FINAL Permit No.: 0250003-001-AV  
Project No.: 0250003-003-AV  
Turkey Point Fossil Plant

Specific Condition A.3. on Page 5 of 21 is hereby changed:

**A.3. Methods of Operation - Fuels** The only fuels allowed to be burned are new No. 2 fuel oil, new No. 6 residual oil, natural gas, propane, and on-specification used oil generated exclusively from FPL operations.

The used oil shall comply with the requirements given in specific condition A.22. Additionally, no more than 750,000 gallons shall be burned annually.

~~Magnesium hydroxide fuel additives are authorized to be added to the boiler units as needed to enhance combustion and facilitate furnace cleaning in a manner consistent with Best Operational Practices.~~ FPL may inject additives such as magnesium oxide, magnesium hydroxide and related compounds into each boiler for the purposes of reducing build-up of particulate matter on the interior boiler surfaces, to facilitate proper heat transfer and other boiler operation, and to reduce the particulate matter required to be removed from boiler surfaces during soot blowing and other boiler cleaning operations. The rate of additive injection is not large, generally on the order of 1 gallon per approximately 2,500(±500) gallons of fuel oil (this is approximately 0.04% by volume). The permit requires that emission tests be conducted while injecting additives consistent with normal operating practices.

[Rule 62-4.160(2), 62-210.200, 62-213.440(1), F.A.C., AO13-238939, AO13-238932]

P 265 657 767

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

**Mr. John Hampp**  
**Sr. Regulatory Specialist**  
**Florida Power & Light Company**  
**Environmental Services Dept.**  
**P. O. Box 14000**  
**Juno Beach, FL 33408**

PS Form 3800, April 1995

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	10-18-99 JPH

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- 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. John Hampp**  
**Sr. Regulatory Specialist**  
**Florida Power & Light Company**  
**Environmental Services Dept.**  
**P. O. Box 14000**  
**Juno Beach, FL 33408**

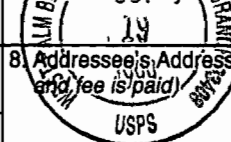
**4a. Article Number**

P 265 657 767

**4b. Service Type**

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

**7. Date of Delivery**



**5. Received By: (Print Name)**

**6. Signature: (Addressee or Agent)**

X [Signature]

**8. Addressee's Address (Only if requested and fee is paid)**

Thank you for using Return Receipt Service.



Friday, August 20, 1999

Scott M. Sheplak, P.E.  
State of Florida  
Department of Environmental Protection  
Division of Air Resources Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**Re: Permit No. 0250003-001-AV**  
**FPL Turkey Point Fossil Plant**  
**Final Title V Permit**

Dear Mr. Sheplak,

An administrative type change has been identified and needs to be made to the above referenced permit.

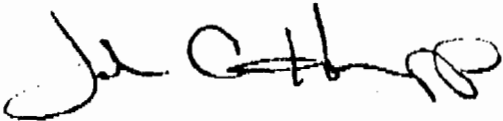
Page 6 Specific Condition A.3. states that Magnesium Hydroxide fuel additives are authorized to be added to the boiler. To maintain consistency with other FPL Title V Permits we request that the permit language be changed as follows:

~~Magnesium hydroxide fuel additives are authorized to be added to the boiler units as needed to enhance combustion and facilitate furnace cleaning in a manner consistent with Best Operational Practices. FPL may inject additives such as magnesium oxide, magnesium hydroxide and related compounds into each boiler for the purposes of reducing build-up of particulate matter on the interior boiler surfaces, to facilitate proper heat transfer and other boiler operation, and to reduce the particulate matter required to be removed from boiler surfaces during soot blowing and other boiler cleaning operations. The rate of additive injection is not large, generally on the order of 1 gallon per approximately 2,500(±500) gallons of fuel oil (this is approximately 0.04% by volume). The permit requires that emission tests be conducted while injecting additives consistent with normal operating practices.~~

The addition of this language to the FPL Title V permits was recommended by C.H. Fancy in his March 10, 1998 letter to Mr. R. Douglas Neeley at the EPA Region 4 Office. I have provided a copy of the referenced page from that letter as an attachment.

Thank you for your assistance in this administrative change. If you have any questions, or need any additional information, please do not hesitate to contact me at (561) 691-2894.

Sincerely,



John C. Hampp  
Sr. Regulatory Specialist  
Florida Power & Light Company  
JES-JB  
700 Universe Blvd.  
Juno Beach, FL 33408  
Email: [jhampp@email.fpl.com](mailto:jhampp@email.fpl.com)



**FPL**

**RECEIVED**

**AUG 26 1999**

Friday, August 20, 1999

Scott M. Sheplak, P.E.  
State of Florida  
Department of Environmental Protection  
Division of Air Resources Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**BUREAU OF AIR REGULATION**

**Re: Permit No. 0250003-001-AV  
FPL Turkey Point Fossil Plant  
Final Title V Permit**

Dear Mr. Sheplak,

An administrative type change has been identified and needs to be made to the above referenced permit.

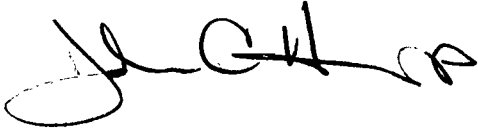
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The addition of this language to the FPL Title V permits was recommended by C.H. Fancy in his March 10, 1998 letter to Mr. R. Douglas Neeley at the EPA Region 4 Office. I have provided a copy of the referenced page from that letter as an attachment.

Thank you for your assistance in this administrative change. If you have any questions, or need any additional information, please do not hesitate to contact me at (561) 691-2894.

Sincerely,

A handwritten signature in black ink, appearing to read 'John C. Hampp', with a large, stylized initial 'J' and a flourish at the end.

John C. Hampp  
Sr. Regulatory Specialist

Florida Power & Light Company  
JES-JB  
700 Universe Blvd.  
Juno Beach, FL 33408  
Email: [jhampp@email.fpl.com](mailto:jhampp@email.fpl.com)

P 174 053 156

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- 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):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Doyle Beneby  
 Plant General Manager  
 Florida Power & Light  
 Post Office Box 14000  
 Juno Beach, FL 33408

4a. Article Number

P 174 053 155

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

7. Date of Delivery

5. Received By: (Print Name)

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

6. Signature: (Addressee or Agent)

X 

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.  
PS Form 3811, April 1993

US Postal Service  
**Receipt for Certified Mail**

No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Sent to <i>Mary Archer</i> <i>Florida Power &amp; Light</i>	
Street & Number <i>P.O. Box 14000</i>	
Post Office, State, & ZIP Code <i>Juno Beach, FL 33408</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>05-13-99 sqk</i>	

P 174 053 155

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- Addressee's Address
- Restricted Delivery

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3. Article Addressed to:

Ms. Mary Archer  
 Florida Power & Light  
 Post Office Box 14000  
 Juno Beach, FL 33408

4a. Article Number

P 174 053 156

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

7. Date of Delivery

5. Received By: (Print Name)

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

6. Signature: (Addressee or Agent)

X 

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.  
PS Form 3811, April 1993

US Postal Service  
**Receipt for Certified Mail**

No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Sent to <i>Doyle Beneby</i> <i>Plant Gen. Mgr.</i> <i>Florida Power &amp; Light</i>	
Street & Number <i>P.O. Box 14000</i>	
Post Office, State, & ZIP Code <i>Juno Beach, FL 33408</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>05-13-99 sqk</i>	



Barbara / File

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**NOTICE OF ADMINISTRATIVELY CORRECTED TITLE V OPERATION PERMIT**

In the Matter of a Request for Administrative Correction:

Mr. Doyle Beneby  
Plant General Manager  
Florida Power & Light  
Post Office Box 14000  
Juno Beach, Florida 33408

FINAL Permit No.: 0250003-001-AV  
Turkey Point Fossil Plant

Enclosed is an ADMINISTRATIVELY CORRECTED page to the initial Title V operation permit, 0250003-001-AV for the operation of the Turkey Point Fossil Plant located 10 miles east of Florida City on Palm Drive, 33035, Dade County. This correction is issued pursuant to Rule 62-210.360, Florida Administrative Code and Chapter 403, Florida Statutes (F.S.). This change is made at the applicant's request dated May 7, 1999. The applicant requested the heat input descriptions for Units 1 & 2 be changed to reflect the actual values. The applicant also requested the permit to reflect the language agreed upon in the Department's March 10, 1998 letter. This corrective action does not alter the effective dates of the existing permit.

Any party to this order (permit) has the right to seek judicial review of it under Section 120.68 of the Florida Statutes., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000; 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 thirty days from the date this notice is filed with the clerk of the permitting authority.

Executed in Tallahassee, Florida.

Sincerely,



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 ADMINISTRATIVELY CORRECTED PERMIT (including the corrected page(s)) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 5-13-99 to the person(s) listed or as otherwise noted:

- Ms. Mary Archer\*
- Mr. John Hampp
- Mr. Kennard F. Kosky, P.E., Golder Associates
- Mr. Isidore Goldman, DEP Southeast District
- Mr. Robert Wong, DERM
- Ms. Carla E. Pierce, USEPA, Region 4 (INTERNET E-mail Memorandum)
- Ms. Gracy R. Danois, 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.

Sandra G. Knight 5-13-99  
(Clerk) (Date)

ADMINISTRATIVE PERMIT CORRECTION  
FINAL Permit No.: 0250003-001-AV  
Turkey Point Fossil Plant

**Condition number A.1. is changed**

**From:**

**A.1. Permitted Capacity.** For each emissions unit, the maximum heat input (mmBtu per Hour) shall not exceed 4,025 mmBtu per hour while firing natural gas, or 3,850 mmBtu per hour while firing fuel oil. If a blend of fuels is fired, the heat input shall be prorated based on the percent heat input of each fuel. Power ratings are nominal and are not limiting of either unit.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**To:**

**A.1. Permitted Capacity.** For each emissions unit, the maximum heat input (mmBtu per Hour) shall not exceed 4,150 mmBtu per hour while firing natural gas, or 4,000 mmBtu per hour while firing fuel oil. If a blend of fuels is fired, the heat input shall be prorated based on the percent heat input of each fuel. Power ratings are nominal and are not limiting of either unit.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Condition number A.20. is changed**

**From:**

**A.20. Fuel Records and Sampling Protocol.** In conjunction with specific condition A.13.(b), when the CEMS becomes disabled for periods exceeding 60 minutes, the following information shall be collected:

a. Fuel Records. For each boiler, the quantity of fuel(s) fired or when co-firing, the ratio of fuel oil to natural gas shall be recorded.

b. Sampling Protocol. A fuel oil sample shall be collected hourly, by taking a small portion of the fuel fired and pouring it into a container. On a daily basis the fuel oil from this container shall be analyzed for heating value and sulfur content. Analysis for sulfur content shall be performed using one of the following: ASTM D2622-94, ASTM D4294-90(95), ASTM D1552-95, ASTM D1266-91, both ASTM D4057-88 and ASTM D129-95; or the latest edition(s).

[Rules 62-4.070(3), 62-213.410, 62-213.440 and 62-296.405(1)(c)3., F.A.C.]

**To:**

**A.20. Fuel Records.** The owner or operator shall create and maintain for each emission unit hourly records of the amount of each fuel fired, the ratio of fuel oil to natural gas if co-fired, and the heating value and sulfur content of each fuel fired. These records must be of sufficient detail to identify the testing requirements of specific condition A.18, and, when applicable, demonstrate compliance with the requirements of condition A.13, paragraph b, of this permit. Fuel oil heating value and sulfur content shall be determined by taking a daily sample of the fuel fired, combining those samples into a monthly composite, and analyzing a representative sample of the composite. Analysis for sulfur content shall be performed using one of ASTM D2622-94, ASTM D4294-90(95), ASTM D1552-95, ASTM D1266-91, both ASTM D4057-88 and ASTM D129-95, or the latest edition(s). Comparison of the as-fired fuel oil sulfur content shall be made and recorded monthly upon receipt of each monthly composite analysis.

[Rules 62-4.070(3), 62-213.410, 62-213.440 and 62-296.405(1)(c)3., F.A.C.]

# INTEROFFICE MEMORANDUM

**Date:** 07-May-1999 01:22pm  
**From:** Mary\_Archer  
Mary\_Archer@fpl.com  
**Dept:**  
**Tel No:**

**To:** SHEPLAK\_S ( SHEPLAK\_S@A1 )  
**To:** CASCIO\_T ( CASCIO\_T@A1 )  
**CC:** John\_Hampp ( John\_Hampp@fpl.com )

**Subject:** FPL Turkey Point Title V permit

*SLP 0250003-001-AV  
Turkey Point Fossil*

Scott

In our September 18, 1999, meeting with you and Tom two administrative changes were discussed and accepted by the Department as administrative for FPL's Turkey Point fossil Plant.

- 1) The first issue concerns the heat input description of Units 1 & 2. The values listed in the permit are incorrect as these units are sister units of Port Everglades Units 3 & 4 and the Cape Canaveral Units 1 & 2. The correct heat input for each unit is 4150mmBtu for oil and 4000mmBtu for gas.
- 2) The second issue concerns the fuel oil sampling in case of the SO2 CEMs failure. This issue was also addressed in the September 18, 1999, meeting and was accepted by the Department as administrative. The Department addressed the correct language in a letter to EPA from Clair Fancy dated March 10, 1999. Page 8 of 9 specifically addressed the language to be added to the Turkey Point permit to satisfy the EPA intervention of the permit.

Thank you for your prompt attention to the issues raised in this correspondence. Please do not hesitate to contact me at (561) 691-7057 if I may be of further assistance.

Sincerely, Mary

TO: Mr. Doyle Beneby, Plant Manager  
Mr. Vito Karninskas, Nuclear Services Manager  
Mr. Richard Piper, FPL  
Mr. Kennard Kosky, Golder Associates  
Mr. Isidore Goldman, DEP Southeast District  
Mr. Robert Wong, DERM

THRU: Scott M. Sheplak, P.E. *smS*

FROM: Barbara Boutwell

DATE: July 2, 1998

SUBJECT: FINAL Title V Permit No. 0250003-001-AV  
Tukey Point Fossil Plant  
Replacement Tables

Please find enclosed replacement pages of Table 1-1 and 2-1 for E.U. 001,002 and 003. Please replace the enclosed pages with the appropriate pages in the FINAL permit package that was mailed to you on June 19, 1998.

If there are any questions, please give me a call @ (850)921-9524.

/bb

Enclosures

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

Florida Power and Light  
Turkey Point Station - Fossil

**FINAL Permit # 0250003-001-AV**  
**Facility ID # 0250003**

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

**E.U. 001, 002      Two 440 MW 4,025 MMBtu/hr Boilers**

Pollutant/Parameter	Fuel	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citations	See Permit Condition
			Standard(s)	lbs/hour	TPY	lbs./hour	TPY		
SO <sub>2</sub>			1.1 lbs/MMBtu			11,000	48,180	Dade County Code 24-17(2)(a)(ii)	III. A.9
PM			0.1 lbs/MMBtu			500	2,190	Rule 62-296.405(1)(b)	III. A.7
VE			40%				n/a	Rule 62-296.320(4)(b)	III. A.5
NO <sub>x</sub>			0.53 lbs/MMBtu (oil) 0.40 lbs/MMBtu (natural gas)			2,120	9,287	Rule 62-296.570(4)(b)	III. A.10

Notes:      \*\* -- Annual emissions (TPY) based on 3 hours per day at 0.3 lb/mmBtu and 21 hours per day at 0.1lb/MMBtu.  
              \* -- Equivalent Emissions provided for information only.

## Table 2-1, Summary of Compliance Requirements

Florida Power & Light  
Turkey Point Station - Fossil

FINAL Permit # 0250003-001-AV  
Facility ID # 0250003

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

**E.U. 001, 002**

**Two 440 MW Steam Boilers, 4,025 MMBtu/hr**

Pollutant/ Parameter	Fuel	Compliance Method	Frequency of Sampling	Frequency Base Date *	Min. Compliance Test Duration	CEMS*	Permit Condition
SO2		CEMS	continuous	1-Oct		X	III.A.13
PM		EPA Method 5B	annual				III.A.15
VE		DEP Method 9	annual				III.A.11
NOx		40 CFR 75	continuous			X	III.A.14

**Notes:**  
 \*Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.  
 \*\*CEMS = continuous emissions monitoring system (CEMS primary method of compliance; fuel sampling & analysis secondary)

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

Florida Power and Light  
Turkey Point Station - Fossil

**FINAL Permit # 0250003-001-AV**  
**Facility ID # 0250003**

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

**E.U. 003** Five 2.75 MW Diesel Generators, 24.89 MMBtu/hr

Pollutant/Parameter	Fuel	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citations	See Permit Condition
			Standard(s)	lbs/hour	TPY	lbs./hour	TPY		
VE	#2 oil		20%				n/a	Rule 62-296.320(4)(b)4.a.	III.B.5.
NOx	#2 oil		4.75 lbs/MMBtu			118	518	Rule 62-296.570(4)(b)7	III.B.6.

Notes:

\* -- Equivalent Emissions provided for information only.

**Table 2-1, Summary of Compliance Requirements**

Florida Power & Light  
Turkey Point Station - Fossil

**FINAL Permit # 0250003-001-AV**  
**Facility ID # 0250003**

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

**E.U. 003**                      **Five 2.75 MW Diesel Generators, 24.89 MMBtu/hr**

Pollutant/ Parameter	Fuel	Compliance Method	Frequency of Sampling	Frequency Base Date *	Min. Compliance Test Duration	CMS**	Permit Condition
VE		EPA Method 9	annual				III.B.7
NOx		Rule 62- 296.570(4)(a)3.					III.B.8

**Notes:**  
\*Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.  
\*\*CMS = continuous monitoring system



Date: 6/29/98 2:59:56 PM  
From: Mary Fillingim TAL  
Subject: New Posting #0250003  
To: See Below

There is a new posting on Florida's website.

0250003001AV  
TURKEY POINT


Final

If you have any questions, please feel free to contact me.

Thanks, Mary

To: adams yolanda  
To: pierce carla  
To: Barbara Boutwell TAL  
To: Scott Sheplak TAL  
To: Terry Knowles TAL  
To: danois gracy  
To: Elizabeth Walker TAL  
CC: Steve Welsh TAL

TO: Howard L. Rhodes

FROM: Clair H. Fancy 

DATE: June 9, 1998

SUBJECT: FINAL Permit No. 0250003-001-AV  
Florida Power & Light  
Turkey Point Fossil Plant

The Turkey Point Title V Source is composed of two separate co-located power plants: the Fossil Plant and the Nuclear Plant. This permit, No. 0250003-001-AV, addresses the fossil plant. The operations at the Nuclear Plant are addressed in a separate Title V permit, No. 0250003-002-AV.

The Fossil Plant consists of two fossil steam generating units, and five "black start" diesel peaking generators. The boilers began operation in 1967 and 1968.

We received 23 comments from the utility on the DRAFT permit. All issues have been resolved and I recommend your signature.

Attachment

CHF/sw/p

## **REVISED STATEMENT OF BASIS**

Florida Power & Light  
Turkey Point Fossil Plant  
**Facility ID No. 0250003**  
Dade County

Initial Title V Air Operation Permit  
**FINAL Permit No. 0250003-001-AV**

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 in the application and approved drawings, plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The Turkey Point Title V Source is composed of two separate co-located power plants: the Fossil Plant and the Nuclear Plant. This permit, No. 0250003-001-AV, addresses only the operations at the Fossil Plant. The (non-nuclear) operations at the Nuclear Plant are addressed in a separate Title V permit, No. 0250003-002-AV.

The Fossil Plant consists of two fossil steam generating units, and five "black start" diesel peaking generators. The boilers began operation in 1967 and 1968. To reduce pollution, both boilers incorporate "low-NO<sub>x</sub> burners" and mechanical cyclone dust collectors.

Emissions units 001 and 002 consist of two Foster-Wheeler 440 MW Class Steam Generating Units that burn a variable combination of natural gas, used oil from FP&L operations, & No. 6 fuel oil. Stack height is 400 feet. The units are equipped with low excess air burners and UOP Air Correction Division multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in the stack. The units are subject to NO<sub>x</sub> RACT. Sulfur dioxide, carbon dioxide, nitrogen oxides, visible emissions, and gas flow rate are all continuously monitored. The units began operation in April 1967 (001) and April 1968 (002), respectively.

FPL may inject additives such as magnesium oxide, magnesium hydroxide and related compounds into each boiler for the purposes of reducing build-up of particulate matter on the interior boiler surfaces, to facilitate proper heat transfer and other boiler operation, and to reduce the particulate matter required to be removed from boiler surfaces during soot blowing and other boiler cleaning operations. The rate of additive injection is not large, generally on the order of 1 gallon of additive per approximately 2,500 ( $\pm$  500) gallons of fuel oil (this is approximately 0.04% by volume). The permit requires that emission tests be conducted while injecting additives consistent with normal operating practices.

Emissions unit 003 consists of five MKW Powersystems, Inc. Model EMD MP-45 "black start" emergency diesel generators. The generators support boilers 001 and 002 as "peaking units", and, in the event the facility loses primary power, they serve as a backup. These units fire No. 2 fuel oil. The generators commenced operation in April, 1968.

The Department has determined that the appropriate particulate testing frequency for the fossil fuel steam generators is annually whenever fuel oil is used for more than 400 hours in the preceding year. This frequency is justified by the low emission rate documented in previous emissions tests while firing fuel oil. These units are subject to a steady-state PM emission limit of 0.1 lb/mmBtu, which is effectively equivalent to 0.149 lb/mmBtu because of rounding, and 0.3 lb/mmBtu for soot blowing, which is equivalent to 0.349 lb/mmBtu. FPL has presented historical PM test results which show that the steady-state and soot blowing average results are less than half the applicable effective standards. The Department has determined that sources with emissions less than half of the effective standard shall test annually. A summary of results of particulate emission testing in lb/mmBtu for the units at Turkey Point are 0.048 (steady-state) and 0.061 (soot-blowing).

The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. A note below the permitted capacity condition clarifies this. Regular record keeping is not required for heat input. Instead the owner or operator is expected to determine heat input whenever emission testing is required, to demonstrate at what percentage of the rated capacity that the unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of process variables for emission tests. Such heat input determination may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heat value of the fuel determined by the fuel vendor or the owner or operator, to calculate average hourly heat input during the test.

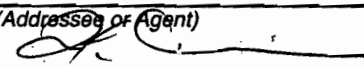
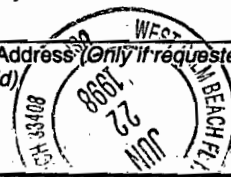
This facility is allowed to co-fire natural gas with fuel oil in any ratio that will cause emissions to not exceed the sulfur dioxide limitation of this permit. The permit specifies that compliance with the sulfur dioxide standard shall be based on the total heat input from all liquid and gaseous fuels burned. The permit also requires that the sulfur dioxide emission limitation shall apply at all times including startup, shutdown, and load change. However, excess emissions of sulfur dioxide are allowed during malfunctions in accordance with the excess emissions conditions of this permit, which are based on Rule 62-210.700, F.A.C. Malfunctions that could occur and affect sulfur dioxide emissions include unexpected loss of natural gas supply at the plant, failure of the fuel feed system or burner failure.

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

Based on the initial Title V permit application received June 12, 1996, this Title V Source is a major source of hazardous air pollutants (HAPs).

P 263 584 721

Is your RETURN ADDRESS completed on the reverse side?

<b>SENDER:</b> ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ 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. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Mr. Doyle Beneby Plant General Manager Florida Power & Light P.O. Box 14000 Juno Beach, Florida 33408		4a. Article Number P 263 584 721	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
		7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X 			

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

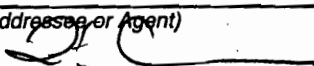
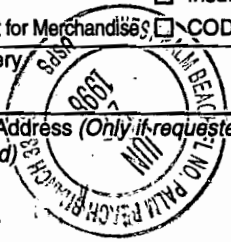
Thank you for using Return Receipt Service.

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Sent to Mr. Doyle Beneby	
Street & Number P.O. Box 14000	
Post Office, State, & ZIP Code Juno Beach, FL 33408	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 6/19/98 FP&L - Turkey Point Facility ID#	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

<b>SENDER:</b> ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ 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. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Mr. Vito Kaminskas Nuclear Services Manager Florida Power & Light Company P.O. Box 14000 Juno Beach, Florida 33408		4a. Article Number P 263 584 719	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
		7. Date of Delivery	
5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X 			

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

P 263 584 719

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Sent to Mr. Vito Kaminskas	
Street & Number P.O. Box 14000	
Post Office, State, & ZIP Code Juno Beach, Florida 33408	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 6/19/98 FP&L - Turkey Point Fossil Facility ID#0250003-001-AV	

PS Form 3800, April 1995

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**NOTICE OF FINAL PERMIT**

In the Matter of an  
Application for Permit by:

Mr. Doyle Beneby  
Plant General Manager  
Florida Power & Light  
P.O. Box 14000  
Juno Beach, FL 33408


Re: FINAL Title V Permit No. 0250003-001-AV  
Turkey Point Fossil Plant

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Enclosed is FINAL Permit Number 0250003-001-AV for the operation of the Turkey Point Fossil Plant located 10 miles east of Florida City on Palm Drive, 33035, Dade County, issued pursuant to Chapter 403, Florida Statutes (F.S.).

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 permitting authority 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 permitting authority.

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 6/19/98 to the person(s) listed or as otherwise noted:

Vito Kaminskas\*  
Richard Piper, FPL  
Kennard F. Kosky, P.E., Golder Associates  
Isidore Goldman, DEP Southeast District  
Robert Wong, DERM  
Ms. Carla E. Pierce, USEPA, Region 4 (INTERNET E-mail Memorandum)  
Ms. Yolanda Adams, USEPA, Region 4 (INTERNET E-mail Memorandum)

6/19/98  
cc: *Steve Welsh*  
*Reading File*

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

  
(Clerk) 6/19/98  
(Date)

## **FINAL PERMIT DETERMINATION**

FINAL Permit No. 0250003-001-AV

Page 1 of 1

### **I. Comments**

Comments were received from the US EPA during their 45 day review period of the PROPOSED permit. These comments were addressed in a letter dated March 10, 1998 from Mr. Clair Fancy of the Department to Mr. Doug Neely of EPA. The comments were incorporated into the accompanying permit.

### **II. Unregulated Emission Unit ID No.s**

The PROPOSED permit had 16 unregulated emissions units listed under ID No. 008. These units were subsequently entered into the ARMS database.

### **III. Conclusion**

Overall, revisions made to the PROPOSED permit are relatively minor in nature and do not require additional public noticing. Therefore, FDEP hereby issues the FINAL Title V permit.

Florida Power & Light  
Turkey Point Fossil Plant  
**Facility ID No. 0250003**  
Dade County

Initial Title V Air Operation Permit  
**FINAL Permit No. 0250003-001-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

Compliance Authority:

Dade County Department of Environmental Resources Management  
33 Southwest Second Avenue, Suite 900  
Miami, Florida 33130-1540

Telephone: 305/372-6925  
Fax: 305/372-6954

May, 1998



Initial Title V Air Operation Permit  
FINAL Permit No. 0250003-001-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 & Light  
Turkey Point Fossil Plant  
P.O. Box 14000  
Juno Beach, Florida 33408

**FINAL Permit No.** 0250003-001-AV

**Facility ID No.** 0250003

**SIC Nos.** 49, 4911

**Project:** Initial Title V Air Operation Permit

This permit is for the operation of the Turkey Point Fossil Plant. This facility is located at 9.5 miles east of Florida City on SW 344 Street, Florida City, Dade County; UTM Coordinates: Zone 17, 567.2 km East and 2813.2 km North; Latitude: 25° 26' 09" North and Longitude: 80° 19' 52" 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 operate the Turkey Point Fossil Plant as described in the application in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Appendix I-1, List of Insignificant Emissions Units and Activities

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

APPENDIX TV-1, TITLE V CONDITIONS (version dated 12/02/97)

APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)

TABLE 297.310-1, CALIBRATION SCHEDULE (version dated 10/07/96)

Figure 1 - SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING SYSTEM REPORT (version dated 7/96)

ORDER EXTENDING PERMIT EXPIRATION DATE

Phase II Permit Application dated 12/04/95

Order of the Department's Secretary dated April 24, 1984

ASP Number 97-B-01

**Effective Date:** January 1, 1999

**Renewal Application Due Date:** July 5, 2003

**Expiration Date:** December 31, 2003

Howard L. Rhodes, Director  
Division of Air Resources  
Management

HLR/clp/sw

## Section I. Facility Information

### Subsection A. Facility Description

The Turkey Point Title V Source is composed of two separate co-located power plants: the Fossil Plant and the Nuclear Plant. This permit, No. 0250003-001-AV, addresses only the operations at the Fossil Plant. The (non-nuclear) operations at the Nuclear Plant are addressed in a separate permit, No. 0250003-002-AV.

The Fossil Plant consists of two fossil steam generating units, and five "Black Start" diesel peaking generators. The boilers began operation in 1967 and 1968. To reduce pollution, both boilers incorporate "low-NO<sub>x</sub> burners" and mechanical cyclone dust collectors. Also included in this permit are miscellaneous unregulated and insignificant emissions units and activities.

Based on the initial Title V permit application received June 12, 1996, this Title V Source is a major source of hazardous air pollutants (HAPs).

### Subsection B. Summary of Emissions Unit ID Nos. and Brief Description

#### E.U. ID

<u>No.</u>	<u>Brief Description</u>
001	440 MW Boiler (EPA ID # PTP1)
002	440 MW Boiler (EPA ID # PTP2)
003	(5) 2.75 MW Diesel Peaking Generators
004	Unregulated Emissions Units and Activities (See Appendix U-1.)

*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, they 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 the permitting authority:

Initial Title V Permit Application received June 12, 1996

USEPA Region 4 letter to DEP received March 25, 1998

DEP Letter to USEPA Region 4 dated March 10, 1998

## Section II. Facility-wide Conditions

The following conditions apply facility-wide:

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

4. 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]

5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]

6. Insignificant Emissions Units and Activities. Appendix I-1, List of Insignificant Emissions Units and 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.]

7. 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.]

**8. Not Federally Enforceable.** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

1. Paving of roads, parking areas and equipment yards;
2. Landscaping and planting vegetation;
3. Maintenance of paved areas;
4. Regular mowing of grass and care of vegetation;
5. Limiting access to plant property by unnecessary vehicles;
6. Bagged chemical products are stored in weather-tight buildings until they are used. Spills of powdered chemical products are cleaned up as soon as possible.
7. 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, annual operating reports and other correspondence required of this permit to:

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

Note: if acceptable to the agency, applicable correspondence may be submitted by electronic mail.

**11.** Unless otherwise directed, reports, data, notification, certifications, or other correspondence required of the United States Environmental Protection Agency 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

Note: if acceptable to the agency, applicable correspondence may be submitted by electronic mail.

### Section III. Emissions Units and Conditions

#### Subsection A. Foster-Wheeler 440 MW Boilers

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	440 MW Boiler (EPA ID # PTP1)
002	440 MW Boiler (EPA ID # PTP2)

Emissions units 001 and 002 consist of two Foster-Wheeler 400 MW Class (440 MW gross capacity) Steam Generating Units that burn a variable combination of natural gas, used oil from FP&L operations, No. 6 and No. 2 fuel oils, and propane. Power ratings are nominal and are not limiting of either unit. The height of each of the two stacks is 400 feet. Each unit is equipped with low excess air burners and UOP Air Correction Division multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in each stack. The units are subject to NO<sub>x</sub> RACT. Sulfur dioxide, carbon dioxide, nitrogen oxides, visible emissions, and gas flow rate are all continuously monitored. Unit 001 began commercial operation in April 1967; unit 002 in April 1968.

{Permitting note: The emissions units are regulated under Acid Rain-Phase II, Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input - Rule 62-296.405, F.A.C., and RACT Requirements for Major VOC- and NO<sub>x</sub>-Emitting Facilities - Rule 62-296.570, F.A.C.}

The following specific conditions apply to the emissions units listed above:

#### Essential Potential to Emit (PTE) Parameters

**A.1. Permitted Capacity.** For each emissions unit, the maximum heat input (mmBtu per Hour) shall not exceed 4,025 mmBtu per hour while firing natural gas, or 3,850 mmBtu per hour while firing fuel oil. If a blend of fuels is fired, the heat input shall be prorated based on the percent heat input of each fuel. Power ratings are nominal and are not limiting of either unit.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

{Permitting note: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability.}

**A.2. Emissions Unit Operating Rate Limitation After Testing.** See specific condition C.6.

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

**A.3. Methods of Operation - Fuels** The only fuels allowed to be burned are new No. 2 fuel oil, new No. 6 residual oil, natural gas, propane, and on-specification used oil generated exclusively from FPL operations.

The used oil shall comply with the requirements given in specific condition A.22. Additionally, no more than 750,000 gallons shall be burned annually.

Magnesium hydroxide fuel additives are authorized to be added to the boiler units as needed to enhance combustion and facilitate furnace cleaning in a manner consistent with Best Operational Practices.

[Rule 62-4.160(2), 62-210.200, 62-213.440(1), F.A.C., AO13-238939, AO13-238932]

**A.4. Hours of Operation.** The emissions units may operate continuously, i.e., 8,760 hours per 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.5. Visible Emissions.** Visible emissions shall not exceed 40 percent opacity. Emissions units governed by this visible emissions standard shall compliance test for particulate matter and visible emissions annually.

[Rule 62-296.405(1)(a), F.A.C.; and, authorized by Order of the Department's Secretary dated April 24, 1984.]

**A.6. 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. Additionally, visible emissions above 60 percent opacity shall be allowed for not more than four, six minute periods, during the 3-hour period of excess emissions.

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.7. 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.8. 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.9. Sulfur Dioxide.** Sulfur dioxide emissions shall not exceed 1.1 pounds per million Btu heat input, as measured by applicable compliance methods. Compliance shall be based on the total heat input from all liquid and gaseous fuels burned. The sulfur dioxide emission limitation shall apply at all times including startup, shutdown, and load change. See specific condition A.13.

[Rules 62-213.440, F.A.C., and AO13-238939 and AO13-238932, Dade County Code Section 24-17]

**A.10. Nitrogen Oxides.** NOx emissions from each boiler stack shall not exceed the following limits based on a 30-day rolling average:

	<u>Natural Gas</u>	<u>Fuel Oil</u>
lbs./mmBtu	0.40	0.53
lbs./hour	1,610	2,041

These limits shall apply at all times except during periods of startup, shutdown, or malfunction as provided by Rule 62-210.700, F.A.C. Compliance shall be based on the use of a CEMS. See specific condition A.14.

[Rule 62-296.570(4)(b)2, and (c), F.A.C.]

**Monitoring and Testing Requirements**

{Permitting Note: The attached 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.11. 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.12.

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

**A.12. 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.13. Sulfur Dioxide.** The permittee shall demonstrate compliance with the sulfur dioxide limit of specific condition A.9 of this permit by the following:

a. Through the use of CEMS installed, operated, and maintained in accordance with the quality assurance requirements of 40 CFR 75, adopted and incorporated by reference in Rule 62-204.800 F.A.C. A relative accuracy test audit of the SO<sub>2</sub> CEMS shall be conducted at least annually. Compliance shall be demonstrated on a 3-hour rolling average.

b. In the event the CEMS becomes temporarily inoperable or interrupted, the fuel oil sulfur content and the maximum fuel oil to natural gas firing ratio is limited to that which was last used to demonstrate compliance prior to the loss of the CEMS. Alternatively, the boilers may fire 100 percent fuel oil with a maximum sulfur content of 1.0 percent by weight, or less or 100 percent natural gas. See specific condition A.18.

[Rule 62-204.800, 62-213.440, 62-296.405(1)(c)3., F.A.C., AO13-238932, AO13-238939]

**A.14. Nitrogen Oxides.** The permittee shall operate, maintain, and calibrate a CEMS to determine compliance with the NO<sub>x</sub> emission limits as specified above. Determination of compliance shall be in accordance with the testing, compliance, emission monitoring, reporting, recordkeeping, certification and quality assurance provisions of 40 CFR 75.

[Rule 62-296.405(1)(f), F.A.C., AO13-238939, AO13-238932]

**A.15. 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, 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.16.** 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.17.** Annual and permit renewal compliance testing for particulate matter emissions is not required for these emissions units while burning:

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

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

**A.18. Operating Conditions During Testing - PM and VE.** Compliance testing during sootblowing and steady-state operation for particulate matter and visible emissions shall be conducted at least once annually, if liquid fuel is fired for more than 400 hours. A visible emissions test shall be conducted during one run of each particulate matter test. Testing shall be conducted as follows:

- a. When Burning Fuel Oil Up To 1% Sulfur. When only fuel oil containing less than or equal to 1% sulfur, by weight, is fired (or co-fired with natural gas) in an emissions unit, particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed on such emissions unit while firing solely fuel oil containing at least 90% of the average sulfur content of the fuel oils fired in the previous 12 month period, except that such test shall not be required to be performed during any year that testing is performed in accordance with specific condition A.18.b.
- b. When Burning Fuel Oil Greater Than 1% Sulfur. When fuel oil containing greater than 1% sulfur, by weight, is co-fired with natural gas in an emissions unit, particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed as soon as practicable, but in no event more than 60 days after firing such fuel oil, while co-firing such oil with the appropriate proportion of natural gas required to maintain SO<sub>2</sub> emissions between 90 to 100% of the SO<sub>2</sub> emission limit (corresponding to 0.99 and 1.1 lb/mmBtu heat input). Following successful completion of such PM and VE testing, further PM and VE testing shall not be required during the next 12 months unless fuel oil is fired that contains greater than 0.20% sulfur above the percentage sulfur concentration fired during the most recent co-firing test. If fuel oil is co-fired containing greater than 0.20% sulfur above the percentage sulfur concentration fired during the most recent co-firing test, additional PM and VE tests shall be performed as described above as soon as practicable, but in no event more than 60 days after firing such higher sulfur fuel oil.

[Rules 62-4.070(3), 62-213.440, 62-296.405(1)(c)3. and 62-297.310(7)(a)9., F.A.C.]

**A.19. Testing While Injecting Additives.** The owner or operator shall conduct emission tests while injecting additives consistent with normal operating practices.

[Rule 62-213.440, F.A.C., applicant agreement with EPA on March 3, 1998]

### **Recordkeeping and Reporting Requirements**

**A.20. Fuel Records and Sampling Protocol.** In conjunction with specific condition A.13.(b), when the CEMS becomes disabled for periods exceeding 60 minutes, the following information shall be collected:

- a. Fuel Records. For each boiler, the quantity of fuel(s) fired or when co-firing, the ratio of fuel oil to natural gas shall be recorded.

b. Sampling Protocol. A fuel oil sample shall be collected hourly, by taking a small portion of the fuel fired and pouring it into a container. On a daily basis the fuel oil from this container shall be analyzed for heating value and sulfur content. Analysis for sulfur content shall be performed using one of the following: ASTM D2622-94, ASTM D4294-90(95), ASTM D1552-95, ASTM D1266-91, both ASTM D4057-88 and ASTM D129-95, or the latest edition(s). [Rules 62-4.070(3), 62-213.410, 62-213.440 and 62-296.405(1)(c)3., F.A.C.]

A.21. COMS for Periodic Monitoring. The owner or operator is required to install continuous opacity monitoring systems (COMS) pursuant to 40 CFR Part 75. The owner or operator shall maintain and operate COMS and shall make and maintain records of opacity measured by the COMS, for purposes of periodic monitoring.

[Rule 62-213.440, F.A.C., and applicant agreement with EPA on March 3, 1998]

**Miscellaneous Conditions**

A.22. Used Oil. Burning of on-specification used oil is allowed by these emissions units in accordance with all other conditions of this permit and the following conditions:

a. On-specification Used Oil Emissions Limitations: This emissions unit is permitted to burn on-specification used oil, which contains a PCB concentration of less than 50 ppm. On-specification used oil is defined as used oil that meets the specifications of 40 CFR 279 - Standards for the Management of Used Oil, listed below. "Off-specification" used oil shall not be burned. Used oil which fails to comply with any of these specification levels is considered "off-specification" used oil.

CONSTITUENT/PROPERTY	ALLOWABLE LEVEL
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash point	100 degrees F minimum

b. Quantity Limitation: This emissions unit is permitted to burn "on-specification" used oil that is generated by FP&L in the production and distribution of electricity, not to exceed 750,000 gallons during any consecutive 12 month period.

c. PCB Limitation: Used oil containing a PCB concentration of 50 or more ppm shall not be burned at this facility. Used oil shall not be blended to meet this requirement.

d. Operational Requirements: On-specification used oil with a PCB concentration of greater than or equal to 2, and less than 50 ppm shall be burned only at normal source operating temperatures. On-specification used oil with a PCB concentration of greater than or equal to 2 ppm shall not be burned during periods of startup or shutdown.

e. Testing Requirements: The owner or operator shall sample and analyze each batch of used oil to be burned for the following parameters:

Arsenic, cadmium, chromium, lead, total halogens, flash point and PCBs.

Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods).

f. Record Keeping Requirements: The owner or operator shall obtain, make, and keep the following records related to the use of used oil in a form suitable for inspection at the facility by the Department:

(1) The gallons of on-specification used oil generated and burned each month. (This record shall be completed no later than the fifteenth day of the succeeding month.)

(2) The total gallons of on-specification used oil burned in the preceding consecutive 12-month period. (This record shall be completed no later than the fifteenth day of the succeeding month.)

(3) Results of the analyses required above.

g. Reporting Requirements: The owner or operator shall submit to DERM, within thirty days of the end of each calendar quarter, the analytical results and the total amount of on-specification used oil generated and burned during the quarter.

The owner or operator shall submit, with the Annual Operation Report form, the analytical results and the total amount of on-specification used oil burned during the previous calendar year.

[Rule 62-4.070(3) and 62-213.440, F.A.C., 40 CFR 279 and 40 CFR 761, unless otherwise noted.]

Additionally, all conditions of Subsection C. apply to this emissions unit.

**Subsection B. Five Diesel Peaking Generators**

**E.U. ID**

<b><u>No.</u></b>	<b><u>Brief Description</u></b>
003	(5) 2.75 MW Diesel Generators

This emissions unit consists of five MKW Powersystems, Inc. Model EMD MP-45 "black start" emergency diesel generators. The generators support boilers 001 and 002 as "peaking units", and, in the event the facility loses primary power, they serve as a backup. These units fire No. 2 fuel oil. The emissions from the generators are limited by the fuel type. The units commenced operation in April, 1968.

{Permitting note: These units are regulated under Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facilities Rule 62-297.570, F.A.C.}

**Essential Potential to Emit (PTE) Parameters**

**B.1. Permitted Capacity.** The maximum heat input to each generator shall not exceed 24.89 mmBtu per hour.

[Rule 62-4.160(2), F.A.C. and Rule 62-210.200, F.A.C., Definitions - (PTE) and 62-296.405, F.A.C.]

{Permitting note: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability.}

**B.2. Emissions Unit Operating Rate Limitation After Testing.** See specific condition C.6.

**B.3. Methods of Operation - Fuels.** The only fuel authorized to be burned in this unit is new No. 2 fuel oil. The sulfur content shall not exceed 0.5 percent by weight.

[Rules 62-4.160(2), 62-210.200, and 62-213.440(1), F.A.C., and requested by applicant.]

**B.4. Hours of Operation.** The generators may operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200, 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.}

**B.5. Visible Emissions:** Visible emissions shall not exceed 20 percent opacity.

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

**B.6. Nitrogen Oxides.** NO<sub>x</sub> emissions shall not exceed 4.75 lb per million Btu heat input. These limits shall apply at all times except during periods of startup, shutdown, or malfunction as provided by Rule 62-210.700, F.A.C.  
[Rule 62-296.570(4)(b)7. and (c), F.A.C.]

**Test Methods and Procedures**

{Permitting Note: The attached 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.}

**B.7. Visible Emissions:** The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.  
[Rule 62-297.310(7)(a), F.A.C.]

**B.8. NO<sub>x</sub> Emissions:** For units that are not equipped with a continuous emissions monitoring system (CEMS) for NO<sub>x</sub>, compliance with the emissions testing in accordance with applicable EPA Reference Methods from Rule 62-297.401, F.A.C., or other methods approved by the Department in accordance with the requirements of Rule 62-297.620, F.A.C., except as otherwise provided in Rule 62-296.570(4)(b), F.A.C. Annual emission testing shall be conducted during each federal fiscal year (October 1 - September 30). *Annual compliance testing for NO<sub>x</sub> while firing oil is unnecessary for units operating less than 400 hours in the current federal fiscal year.*  
[Rule 62-296.570(4)(a)3., F.A.C.]

**B.9.** The test method for NO<sub>x</sub> shall be EPA Method 7 or 7E, incorporated and adopted by reference in Chapter 62-297, F.A.C.  
[Rules 62-296.570(4)(a)3. and 62-297.401(7), F.A.C.]

Additionally, all conditions of Subsection C. apply to this emissions unit.

**Subsection C. Common Conditions**

This section contains conditions applicable to the emissions units described in Subsections A. and B.

**Excess Emissions**

C.1. 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.]

C.2. 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.]

C.3. 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.]

**Monitoring of Operations**

**C.4. 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.]

**Test Methods and Procedures**

C.5. 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.]

**C.6. Operating Rate During Testing.** Testing of emissions shall be conducted with each emissions unit operating 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 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.]

**C.7. 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.]

**C.8. 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:

a. (Not applicable.)

b. (Not applicable.)

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. (See attachment).
- (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.]

**C.9. 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.]

**C.10. 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.

1. (Not applicable.)
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.
  6. (Not applicable.)
  7. (Not applicable.)
  8. (Not applicable.)
  9. (See Specific Condition C.14.)
  10. An annual compliance test conducted for visible emissions shall not be required for units exempted from permitting at Rule 62-210.300(3)(a), F.A.C., or units permitted under the General Permit provisions at Rule 62-210.300(4), F.A.C.

(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)(a)2., 3., 4., 5., 10., (b) & (c), F.A.C.; SIP approved]

### Recordkeeping and Reporting Requirements

**C.11.** In the case of excess emissions resulting from malfunctions, the permittee shall notify the Dade County Department of Environmental Resources Management 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 the Dade County Department of Environmental Resources Management.

[Rule 62-210.700(6), F.A.C.]

**C.12.** Submit to the Dade County Department of Environmental Resources Management 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 permittee 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.]

**C.13. Test Reports.**

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department and Dade County Department of Environmental Resources Management on the results of each such test.

(b) The required test report shall be filed with the Department and Dade County Department of Environmental Resources Management 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 the Department and Dade County Environmental Resources Management 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 the Department or its agent, 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.]

C.14. The owner or operator shall notify the Dade County Department of Environmental Resources Management, 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.

[Rule 62-297.310(7)(a)9., F.A.C.]

**Section IV. Acid Rain Part**

**Turkey Point Fossil Plant -- Facility ID No. 0250003**  
**Operated by: Florida Power and Light Company**  
**ORIS code: 621**

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

**E.U.**

<b><u>ID No.</u></b>	<b><u>Description</u></b>
001	440 MW Boiler (EPA ID # PTP1)
002	440 MW Boiler (EPA ID # PTP2)

1. The Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these 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 07/01/95.

[Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

2. Sulfur dioxide (SO<sub>2</sub>) allowance allocations requirements for each Acid Rain unit:

<b>E.U. ID No.</b>	<b>EPA ID No.</b>	<b>Year</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
<b>001</b>	<b>PTP 1</b>	<b>SO<sub>2</sub> allowances, under Table 2 of 40 CFR 73</b>	5818*	5818*	5818*	5818*
<b>002</b>	<b>PTP 2</b>	<b>SO<sub>2</sub> allowances, under Table 2 of 40 CFR 73</b>	5861*	5861*	5861*	5861*

\*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 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.

a. 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.

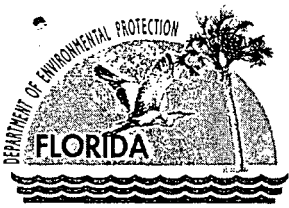
b. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.

c. Allowances shall be accounted for under the Federal Acid Rain Program.  
[Rule 62-213.440(1)(c)1., 2. & 3., F.A.C.]

4. Fast-Track Revisions of Acid Rain Parts. Those Acid Rain sources making a change described at Rule 62-214.370(4), F.A.C., may request such change as provided in Rule 62-213.413, Fast-Track Revisions of Acid Rain Parts.  
[Rule 62-214.370(4), and Rule 62-213.413, F.A.C]

5. 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. 52., Appendix TV-1, Title V Conditions.}  
[Rule 62-214.420(11), F.A.C.]

6. Comments, notes, and justifications:
- a. Turkey Point has no Phase I units/allowances.
  - b. Phase II Permit Application received 12/6/95.



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

Mr. Doyle Beneby  
Plant General Manager  
Florida Power & Light  
P.O. Box 14000  
Juno Beach, FL 33408

## ORDER EXTENDING PERMIT EXPIRATION DATE Turkey Point Fossil Plant, Facility ID No. 0250003

Section 403.0872(2)(b), Florida Statutes (F.S.), specifies that any facility which submits to the Department of Environmental Protection (Department) a timely and complete application for a Title V permit "is entitled to operate in compliance with its existing air permit pending the conclusion of proceedings associated with its application."

Section 403.0872(6), F.S., provides that a proposed Title V permit which is not objected to by the United States Environmental Protection Agency (EPA) "must become final no later than fifty-five (55) days after the date on which the proposed permit was mailed" to the EPA.

Pursuant to the Federal Acid Rain Program as defined in rule 62-210.200, Florida Administrative Code (F.A.C.), all Acid Rain permitting must become effective on January 1 of a given year.

This facility which will be permitted pursuant to section 403.0872, F.S., (Title V permit) will be required to have a permit effective date subsequent to the final processing date of the facility's Title V permit.

To prevent misunderstanding and to assure that the above identified facility continues to comply with existing permit terms and conditions until its Title V permit becomes effective, it is necessary to extend the expiration dates of its existing valid permits until the effective date of its Title V permit. Therefore, under the authority granted to the Department by section 403.061(8), F.S., **IT IS ORDERED:**

1. The expiration dates of the existing valid permits under which the above identified facility is currently operating is hereby extended until the effective date of its permit issued pursuant to section 403.0872, F.S., (Title V permit);

2. The facility shall comply with all terms and conditions of its existing valid permits until the effective date of its Title V permit;

3. The facility will continue to comply with the requirements of Chapter 62-214, F.A.C., and the Federal Acid Rain Program, as defined in rule 62-210.200, F.A.C., pending final issuance of its Title V permit.

PETITION FOR ADMINISTRATIVE REVIEW

The Department will take the action described in this Order unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 of the Florida Statutes (F.S.). Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the Department's proposed decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Plant 35, Tallahassee, Florida 32399-3000. Petitions must be filed within 21 days of receipt of this Order. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department 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 the petitioner, if any;
- (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this Order. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542 of the Florida Statutes. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.



The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Plant 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2) of the Florida Statutes, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

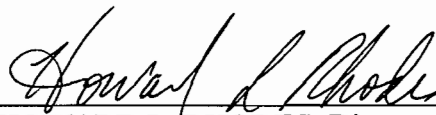
This Order constitutes final agency action unless a petition is filed in accordance with the above paragraphs.

RIGHT TO APPEAL

Any party to this Order has the right to seek judicial review of the Order 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 Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; 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 Notice of Agency Action is filed with the Clerk of the Department.

DONE AND ORDERED this 19<sup>th</sup> day of June, 1998 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



HOWARD L. RHODES, Director  
Division of Air Resources Management  
Twin Towers Office Building  
Mail Plant 5500  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
850/488-0114

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this order and all copies were sent by certified mail before the close of business on 6/19/98 to the persons listed:

Vito Kaminskas

Richard Piper, FPL

Kennard F. Kosky, P.E., Golder Associates

Isidore Goldman, DEP Southeast District

Robert Wong, DERM

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 Section 120.52(7), Florida Statutes,  
with the designated agency Clerk, receipt of which is hereby  
acknowledged.

Barbara J. - Powell 6/19/98  
(Clerk) (Date)

## **Appendix I-1, List of Insignificant Emissions Units and Activities**

Florida Power & Light

FINAL Permit No. 0250003-001-AV

Turkey Point Fossil Station

Page 1 of 2

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical 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 the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

### **Brief Description of Emissions Units and Activities**

1. Internal combustion engines in boats, aircraft and vehicles used for transportation of passengers or freight.
2. Cold storage refrigeration equipment, except for any such equipment located at a Title V source using an ozone-depleting substance regulated under 40 CFR Part 82.
3. Vacuum pumps in laboratory operations.
4. Equipment used for steam cleaning.
5. Belt or drum sanders having a total sanding surface of five square feet or less and other equipment used exclusively on wood or plastics or their products having a density of 20 pounds per cubic foot or more.
6. Equipment used exclusively for space heating, other than boilers.
7. Laboratory equipment used exclusively for chemical or physical analyses.
8. Brazing, soldering or welding equipment.
9. One or more emergency generators located within a single facility provided:
  - a. None of the emergency generators is subject to the Federal Acid Rain Program; and
  - b. Total fuel consumption by all such emergency generators within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.
10. One or more heating units and general purpose internal combustion engines located within a single facility provided:
  - a. None of the heating units or general purpose internal combustion engines is subject to the Federal Acid Rain Program; and

## Appendix I-1, List of Exempt Emissions Units and Activities

Florida Power & Light  
Turkey Point Fossil Station  
Page 2 of 2

FINAL Permit No. 0250003-001-AV

- b. Total fuel consumption by all such heating units and general purpose internal combustion engines within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.
- 11. Fire and safety equipment.
- 12. Surface coating operations within a single facility if the total quantity of coatings containing greater than 5.0 percent VOCs, by volume, used is 6.0 gallons per day or less, averaged monthly, provided:
  - a. Such operations are not subject to a volatile organic compound Reasonably Available Control Technology (RACT) requirement of Chapter 62-296, F.A.C.; and
  - b. The amount of coatings used shall include any solvents and thinners used in the process including those used for cleanup.
- 13. Surface coating operations utilizing only coatings containing 5.0 percent or less VOCs, by volume.
- 14. Degreasing units using heavier-than-air vapors exclusively, except any such unit using or emitting any substance classified as a hazardous air pollutant.

Note: No exemption shall be granted to any emissions unit or activity if:

- 1. Such unit or activity would be subject to any unit-specific applicable requirement;
- 2. Such unit or activity, in combination with other units and activities proposed for exemption, would cause the facility to exceed any major source threshold(s) as defined in Rule 62-213.420(3)(c)1., F.A.C., unless it is acknowledged in the permit application that such units or activities would cause the facility to exceed such threshold(s); or
- 3. Such unit or activity would emit or have the potential to emit:
  - a. 500 pounds per year or more of lead and lead compounds expressed as lead;
  - b. 1,000 pounds per year or more of any hazardous air pollutant;
  - c. 2,500 pounds per year or more of total hazardous air pollutants; or
  - d. 5.0 tons per year or more of any other regulated pollutant.

[Rule 62-213.430(6), F.A.C.]

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

Florida Power & Light

FINAL Permit No. 0250003-001-AV

Turkey Point Fossil Station

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Unregulated Emissions Units and 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 following emissions units and activities are neither “regulated emissions units” nor “insignificant emissions units”:

**E.U. ID No.**    **Brief Description of Emissions Units and/or Activity**

004            20,000 gallon No. 2 fuel oil tank  
                  25,000 gallon No. 2 fuel oil tank  
                  2,000 gallon unleaded gasoline tank  
                  2,000 gallon vehicular diesel tank  
                  11,256,000 gallon No. 5 & 6 fuel oil tank, installed 07/67  
                  11,256,000 gallon No. 5 & 6 fuel oil tank, installed 07/68  
                  504,000 gallon No. 5 & 6 fuel oil tank, installed 07/68  
                  504,000 gallon No. 5 & 6 fuel oil tank, installed 07/68  
                  1,500 gallon mineral acid tank, installed 04/95  
                  Hydrazine tank  
                  Ammonia tank  
                  Phosphate tank  
                  Off-loading of Fuel from Tankers  
                  Propane Storage Tank  
                  Sandblast Shed  
                  Unleaded gasoline dispensing facility with a monthly gasoline throughput of less than 20,000 gallons.

[electronic file name: 0250003u.doc]

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
BEST AVAILABLE COPY

In the Matter of: )  
 )  
Petition for Reduction in Quarterly ) OGC Case Nos.: 83-0570  
Particulate Emissions Compliance ) 83-0577, 83-0576,  
Testing; ) 83-0585, 83-0586,  
FLORIDA POWER AND LIGHT COMPANY, ) 83-0587, 83-0588  
 ) 83-0581, 83-0580  
Petitioner. )

ORDER GRANTING PETITION FOR REDUCED  
FREQUENCY OF PARTICULATE TESTING

On September 16, 1983, the Petitioner, FLORIDA POWER AND LIGHT COMPANY, filed a Petition for Reduction in Quarterly Particulate Emissions Compliance Testing pursuant to Florida Administrative Code Rule 17-2.600(5)(b)1 for the following fossil fuel steam generating units:

Port Everglades Plant Unit No. 2  
Port Everglades Plant Unit No. 3  
Port Everglades Plant Unit No. 4  
Turkey Point Plant Unit No. 1  
Turkey Point Plant Unit No. 2  
Riveria Plant Unit No. 3  
Riveria Plant Unit No. 4  
Manatee Plant Unit No. 1  
Manatee Plant Unit No. 2

Each of the units has a heat input exceeding 250 million Btu per hour.

The petition and supporting documentation submitted by the Petitioner indicate that between August 1979 and July 21, 1983, these units were afforded relief from the particulate standard contained in Florida Administrative Code Rule 17-2.600(5)(b)2 under the terms of a Department-issued variance. During the same period of time the Company elected to test quarterly as permitted under Rule 17-2.600(5)(b)1. Despite the existence of the variance, the tests results submitted during the last two years reveal that each of the above-listed units met the particulate emissions limitations contained in Rule 17-2.600(5)(b)2 of 0.1 pounds per million Btu heat input.

Florida Administrative Code Rule 17-2.600(5)(b)1 specifically provides that I may reduce the frequency of particulate testing



**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a copy of the foregoing Order Denying  
Petition for Reduced Frequency of Particulate Testing and the  
Order Granting Petition for Reduced Frequency of Particulate  
Testing have been furnished by U.S. Mail to Peter C. Cunningham,  
Esquire, Hop, ing Boyd Green and Sams, Post Office Box 6526,  
Tallahassee, Florida 32314 this 25th day of April, 1984.

*Nancy E. Wright*  
\_\_\_\_\_  
NANCY E. WRIGHT  
Assistant General Counsel

State of Florida Department  
of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301  
904/488-9730



# Phase II Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31 and Chapter 214, F.A.C.

This submission is:  New  Revised

**STEP 1**  
Identify the source by plant name, State, and ORIS code from NADB

Turkey Point Fossil Plant	FL	621
Plant Name	State	ORIS Code

**STEP 2**  
Enter the boiler ID# from NADB for each affected unit, and indicate whether a repowering plan is being submitted for the unit by entering "yes" or "no" at column c. For new units, enter the requested information in columns d and e

Compliance Plan					
a	b		c	d	e
Boiler ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	Repowering Plan	New Units	Commence Operation Date	New Units Monitor Certification Deadline
PTP1	Yes	N/A	N/A		N/A
PTP2	Yes	N/A	N/A		N/A
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				
	Yes				

**STEP 3**  
Check the box if the response in column c of Step 2 is "Yes" for any unit

For each unit that will be repowered, the Repowering Extension Plan form is included and the Repowering Technology Petition form has been submitted or will be submitted by June 1, 1997.

Plant Name (from Step 1)

**STEP 4**

Read the standard requirements and certification, enter the name of the designated representative, and sign and date

**Standard Requirements**Permit Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Submit a complete Acid Rain part application (including a compliance plan) under 40 CFR part 72, Rules 62-214.320 and 330, F.A.C. in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
  - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain part application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain part application or a superseding Acid Rain part issued by the permitting authority; and
  - (ii) Have an Acid Rain Part.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1)(i) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
  - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
  - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
  - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
  - (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

Plant Name (from Step 1)

Recordkeeping and Reporting Requirements (cont.)

- (iv) Copies of all documents used to complete an Acid Rain part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability.

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
- (6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 75, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information, or omitting required statements and information, including the possibility of fine or imprisonment. (There are no attachments to this document)

Name		William M. Reichel
Signature	<i>William M. Reichel</i>	Date 1/4/95

**STEP 5 (optional)**  
Enter the source AIRS  
and FINDS Identification  
numbers, if known

AIRS

FINDS

**BEST AVAILABLE COPY**