

APPENDIX 10.6

EXISTING STATE PERMITS

APPENDIX 10.6.1

FDEP TITLE V AIR OPERATING PERMIT



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

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Secretary

PERMITTEE:

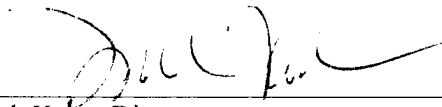
Florida Power and Light Company
8100 Eisenhower Boulevard
Fort Lauderdale, Florida 33316

Permit No. 0110036-009-AV
Port Everglades Plant
Facility ID No. 0110036
Title V Air Operation Permit Revision

The purpose of this permit is to revise the Title V air operation permit for the above referenced facility. The existing Port Everglades Plant is located at 8100 Eisenhower Boulevard, Fort Lauderdale, in Broward County. UTM coordinates are: Zone 17, 587.38 km East and 2885.25 km North. Latitude is: 26° 05' 08" North; and, Longitude is: 80° 07' 31" West.

The 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 facility shown on 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.

0110036-007-AV Effective Date: January 1, 2009
0110036-008-AV Effective Date: March 26, 2009
0110036-009-AV Effective Date: February 1, 2010
Renewal Application Due Date: May 20, 2013
Expiration Date: December 31, 2013



Joseph Kahn, Director
Division of Air Resource Management

JK/tlv/jkh/tbc

NOTICE OF FINAL PERMIT REVISION

*In the Matter of an
Application for Permit Revision by:*

Florida Power and Light Company
8100 Eisenhower Boulevard
Fort Lauderdale, Florida 33316

Permit No. 0110036-009-AV
Port Everglades Plant
Title V Air Operation Permit Revision
Broward County

Responsible Official:

Mr. Jeff Smith, Plant General Manager

Enclosed is the final permit package to revise the Title V air operation permit for the Port Everglades Plant. The purpose of this permitting project is to revise the Compliance Assurance Monitoring (CAM) plan for the Title V air operation permit for the facility. The existing facility is located in Broward County, at 8100 Eisenhower Boulevard, in Fort Lauderdale, Florida. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing 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 (Mail Station #35, 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 must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/jkh/tbc

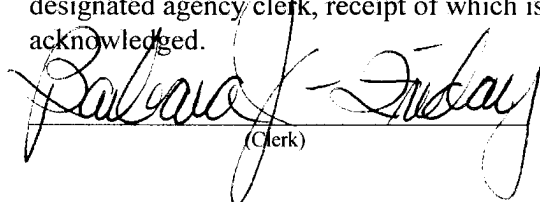
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit Revision (including the Final Permit Revision and Final Determination), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested to the persons listed below:

Mr. Jeff Smith, Florida Power and Light Company: jeff_smith@fpl.com
Mr. Kennard Kosky, P.E., Golder Associates: kkosky@golder.com
Ms. Sheila M. Wilkinson, Florida Power and Light Company: Sheila_Wilkinson@fpl.com
Ms. Daniela Banu, Broward County: dbanu@co.broward.fl.us
Ms. Katy Forney, US EPA Region 4: forney.kathleen@epa.gov
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Ms. Barbara Friday, DEP BAR: Barbara.Friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)
Ms. Victoria Gibson, DEP BAR: victoria.gibson@dep.state.fl.us (for 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)

2/12/10
(Date)

FINAL DETERMINATION

PERMITTEE

Florida Power and Light Company
8100 Eisenhower Boulevard
Fort Lauderdale, Florida 33316

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Bureau of Air Regulation, Title V Section
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Permit No. 0110036-009-AV
Port Everglades Plant

The purpose of this project is to revise the Compliance Assurance Monitoring (CAM) plan for the existing Title V air operation permit for the above referenced facility.

NOTICE AND PUBLICATION

The Department distributed an Intent to Issue a Title V Air Operation Permit Revision (draft/proposed) package on October 16, 2009. The applicant published the Public Notice of Intent to Issue a Title V Air Operation Permit Revision in the Fort Lauderdale Sun-Sentinel on December 7, 2009. The Department received the proof of publication on December 11, 2009.

COMMENTS

No comments were received from the applicant or the EPA Region 4 Office on the draft/proposed permit revision.

CONCLUSION

The final action of the Department is to issue the permit revision with no changes.

STATEMENT OF BASIS

Title V Air Operation Permit Revision Permit No. 0110036-009-AV

APPLICANT

The applicant for this project is the Florida Power and Light Company (FPL). The applicant's responsible official and mailing address are: Mr. Jeff Smith, Plant General Manager, Port Everglades Plant, 8100 Eisenhower Boulevard, Fort Lauderdale, Florida 33316.

FACILITY DESCRIPTION

The applicant operates the existing Port Everglades Plant, which is located in Broward County at 8100 Eisenhower Boulevard, Fort Lauderdale, Florida.

This facility consists of four fossil fuel steam generators and twelve simple cycle combustion turbines. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Fossil fuel fired steam generators Unit 1 and Unit 2 are each 225 megawatt (MW) (electric) steam generators. The emissions units are fired on a variable combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane and on-specification used oil from FPL operations. When firing fuel oil, the maximum heat input for each boiler is 2,300 million British thermal units (MMBtu) per hour, and when firing natural gas or propane, the maximum heat input for each boiler is 2,400 MMBtu per hour.

Each emissions unit consists of a boiler that drives a turbine generator. Emissions are controlled with low nitrogen oxides (NO_x) burners, and electrostatic precipitators (ESP) for particulate matter (PM) control. Each unit is equipped with a 343-foot stack with a 14-foot exit diameter. Units 1 and 2 have a flow rate of 813,929 actual cubic feet per minute (acfm). Exit velocity is 88.1 feet per second (fps) at 289 ° Fahrenheit (F). These emissions units are subject to Compliance Assurance Monitoring (CAM) for the ESP control devices.

Fossil fuel fired steam generators Unit 3 and Unit 4 are each 402 MW (electric) steam generators. The emissions units are fired on a variable combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane and on-specification used oil from FPL operations. When firing fuel oil, the maximum heat input for each boiler is 4000 MMBtu per hour, and when firing natural gas or propane, the maximum heat input for each boiler is 4180 MMBtu per hour. Each emissions unit consists of a boiler which drives a turbine generator. Emissions are controlled with low NO_x burners and electrostatic precipitators (ESP) for PM control. Each unit is equipped with a 343-foot stack with an 18.1-foot exit diameter. Units 3 and 4 have a flow rate of 1,263,181 actual cubic feet per minute (acfm). Exit velocity is 81.8 feet per second (fps) at 287 ° F. These emissions units are subject to Compliance Assurance Monitoring (CAM) for the ESP control devices.

Emissions unit 005 consists of 12 simple cycle gas turbines (GT1 through GT12) manufactured by Pratt & Whitney, with a total capacity rated at 504 MW, and 8424 MMBtu/hr. The emissions units are fired on any combination of No. 2 fuel oil and natural gas. Each turbine unit consists of two turbine engines which drive a turbine generator. Emissions are uncontrolled. Each unit is equipped with a 45-foot stack with a 15.6-foot exit diameter. The units have a flow rate of 1,069,740 actual cubic feet per minute (acfm). Exit velocity is 93.3 feet per second (fps) at 860 ° F. The turbines are regulated collectively as one emission unit.

PROJECT DESCRIPTION

The purpose of this permitting project is to revise the Compliance Assurance Monitoring (CAM) plan for the existing Title V air operation permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V air operation permit revision received July 29, 2009.

Draft/proposed Title V air operation permit clerked on October 16, 2009.

STATEMENT OF BASIS

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

CAM: The facility is subject to compliance assurance monitoring (CAM).

PROJECT REVIEW

In the permit application, FPL requested a revision to the Port Everglades Plant CAM Plan. The original CAM Plan submitted to the Department in the Fall of 2007 contained minimum secondary power values as a demonstration of compliance that were calculated by the original equipment manufacturer (OEM) from their engineering data. During the course of the Title V permit renewal development in 2008, which incorporated the CAM Plan, the Department requested minimum power values that were associated with compliance testing, rather than OEM calculated values. FPL provided the Department a revised copy of the CAM Plan (Rev 1 November 2008) which contained power values that were observed during the original commissioning tests in 2005 and 2007. When the revision was supplied to the Department, FPL recognized that the minimum power values were overly conservative by a considerable margin. At the time, they were the only data available coincident with compliance testing and were not optimized for minimum power scenarios.

In March of this year FPL conducted a series of particulate matter (PM) tests to optimize the minimum number of transformer-rectifier (TR) sets in service, and the minimum secondary power values needed to demonstrate compliance with the PM standard of 0.03 lb/MMBtu.

This change is acceptable to the Department, and Appendix CAM of the current Title V air operation permit is revised to incorporate the new minimum secondary power values and minimum number of TR sets in service as follows (~~strike through~~ indicates deletion and double underline indicates addition of text):

Appendix CAM, Page 8 of 9, II. Indicator Range, Indicator 1 - For Units 001 and 002, an excursion is defined as any hourly average of the ESP secondary power level less than ~~264~~ 82 kilowatts. For Units 003 and 004, an excursion is defined as any hourly average of the ESP secondary power level less than ~~524~~ 88 kilowatts. An excursion will trigger an investigation of the occurrence, corrective actions, and a reporting/documentation requirement.

Appendix CAM, Page 9 of 9, III Performance Criteria, G. Operational Requirements, Indicator 1 and Indicator 2: At least ~~six (6)~~ two (2) of the eight (8) TR sets installed on ~~each of the four (4) ESP units~~ Units 001 and 002 shall be in service at all times when 100% fuel oil is being fired. At least two (2) of the eight (8) TR sets installed on Units 003 and 004 shall be in service at all times when 100% fuel oil is being fired.

In addition, the annual emissions fee web site address was updated in facility-wide condition FW7 and the Risk Management Plan reporting center address was updated in facility-wide condition FW9.

CONCLUSION

This project revises Title V air operation permit No. 0110036-007-AV, which was issued on January 1, 2009. This Title V air operation permit revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, 62-213 and 62-214, F.A.C.

Florida Power and Light Company
Port Everglades Plant
Facility ID No. 0110036
Broward County

Title V Air Operation Permit Revision

Final Permit No. 0110036-009-AV

(Second Revision of Title V Air Operation Permit No. 0110036-007-AV)



Permitting Authority

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

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

Telephone: 850/488-0114
Fax: 850/921-9533

Compliance Authority

State of Florida
Broward County Environmental Protection Department
Air Quality Division

115 South Andrews Avenue, Room A-240
Fort Lauderdale, Florida 33301

Telephone: 954-519-1220
Fax: 954-519-1495

Title V Air Operation Permit Revision

Permit No. 0110036-009-AV

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PERMITTEE:

Florida Power and Light Company
8100 Eisenhower Boulevard
Fort Lauderdale, Florida 33316

Permit No. 0110036-009-AV

Port Everglades Plant

Facility ID No. 0110036

Title V Air Operation Permit Revision

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0110036-008-AV Effective Date: March 26, 2009

0110036-009-AV Effective Date: February 1, 2010

Renewal Application Due Date: May 20, 2013

Expiration Date: December 31, 2013

Joseph Kahn, Director

Division of Air Resource Management

JK/tlv/jkh/tbc

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This facility consists of four fossil fuel steam generators and twelve simple cycle combustion turbines. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
<i>Regulated Emissions Units</i>	
001	Fossil Fuel Steam Generator, Unit 1, rated at 225 megawatts (MW), 2,400 million British thermal units per hour (MMBtu/hr) for natural gas and 2,300 MMBtu/hr for number 6 fuel oil, capable of burning any combination of natural gas, No. 6 fuel oil, No. 2 fuel oil, propane and on-specification used oil from Florida Power and Light Company (FPL) operations, with emissions exhausted through a 344 ft. stack.
002	Fossil Fuel Steam Generator, Unit 2, rated at 225 MW, 2,400 MMBtu/hr for natural gas and 2,300 MMBtu/hr for number 6 fuel oil, capable of burning any combination of natural gas, No. 6 fuel oil, No. 2 fuel oil, propane and on-specification used oil from FPL operations, with emissions exhausted through a 344 ft. stack.
003	Fossil Fuel Steam Generator, Unit 3, rated at 402 MW, 4,180 MMBtu/hr for natural gas and 4,000 MMBtu/hr for No. 6 fuel oil, capable of burning any combination of natural gas, No. 6 fuel oil, No. 2 fuel oil, propane and on-specification used oil from FPL operations, with emissions exhausted through a 344 ft. stack.
004	Fossil Fuel Steam Generator, Unit 4, rated at 402 MW, 4,180 MMBtu/hr for natural gas and 4,000 MMBtu/hr for No. 6 fuel oil, capable of burning any combination of natural gas, No. 6 fuel oil, diesel fuel, propane and on-specification used oil from FPL operations, with emissions exhausted through a 344 ft. stack.
005	12 Simple Cycle Gas Turbines, GT1 through GT12, with a total capacity rated at 504 MW, 8,424 MMBtu/hr, capable of burning any combination of, No. 2 fuel oil and natural gas, with emissions exhausted through twelve 44 ft. stacks.
<i>Unregulated Emissions Units and Activities</i>	
017	Above ground fuel oil storage tanks.
018	Miscellaneous internal combustion engines and portable equipment.

Subsection C. Applicable Regulations.

Based on the Title V air operation renewal application received July 2, 2008, this facility is a major source of hazardous air pollutants (HAP). This facility is classified as a PSD major facility. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
40 CFR 75 Acid Rain Monitoring Provisions	001, 002, 003, 004
State Rule Citations	
Rule 62-4, Florida Administrative Code (F.A.C.) (Permitting Requirements)	001, 002, 003, 004, 005
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack	

SECTION I. FACILITY INFORMATION.

Height Policy, Circumvention, Excess Emissions, and Forms)	
Rule 62-212, F.A.C. (Preconstruction Review, PSD Review and Best Available Control Technology (BACT))	
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	
Rule 62-214, F.A.C. (Requirements For Sources Subject To The Federal Acid Rain Program)	001, 002, 003,004
Rule 62-296, F.A.C. (Emission Limiting Standards)	001, 002, 003, 004, 005
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	

SECTION II. FACILITY-WIDE CONDITIONS.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section V, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An “objectionable odor” means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General 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 or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Nothing is deemed necessary and ordered at this time. [Rule 62-296.320(1)(a), F.A.C.]

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

FW5. Unconfined Particulate Matter. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

- a. The facility shall construct temporary sandblasting enclosures when necessary, in order to perform sandblasting on fixed plant equipment.
- b. Maintenance of paved areas shall be performed as needed.
- c. Regular mowing of grass and care of vegetation shall be performed.
- d. Access to plant property by unnecessary vehicles shall be limited.
- e. Bagged chemical products shall be stored in weather-tight buildings until they are used.
- f. Spills of powdered chemical products shall be cleaned up as soon as practicable.
- g. Vehicles shall be restricted to slow speeds on the plant site.

[Rule 62-296.320(4)(c)2., F.A.C.; and provided by the applicant in Title V air operation permit renewal application received July 2, 2008.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by May 1st for 2009 and April 1st of each year thereafter. [Rule 62-210.370(3), F.A.C.]

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: <http://www.dep.state.fl.us/air/emission/tvfee.htm>. [Rule 62-213.205, F.A.C.]

FW8. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

SECTION II. FACILITY-WIDE CONDITIONS.

FW9. Prevention of Accidental Releases (Section 112(r) of CAA).

- a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
- b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001 and 002

The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
001	Fossil Fuel Steam Generator, Unit 1
002	Fossil Fuel Steam Generator, Unit 2

Fossil fuel fired steam generators Unit 1 and Unit 2 are each 225 MW (electric) steam generators. The emissions units are fired on a variable combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane, and on-specification used oil from FPL operations. When firing fuel oil, the maximum heat input for each boiler is 2,300 MMBtu per hour, and when firing natural gas or propane, the maximum heat input for each boiler is 2,400 MMBtu per hour.

Each emissions unit consists of a boiler that drives a turbine generator. Emissions are controlled with low nitrogen oxides (NO_x) burners, and electrostatic precipitators (ESP) for particulate matter (PM) control. Each unit is equipped with a 343-foot stack with a 14-foot exit diameter. Units 1 and 2 have a flow rate of 813,929 actual cubic feet per minute (acfm). Exit velocity is 88.1 feet per second (fps) at 289 °F. These emissions units are subject to Compliance Assurance Monitoring (CAM) for the ESP control devices.

{Permitting note(s): These emissions units are regulated under Acid Rain, Phase II; and Rule 62-296.405, F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input. Fossil fuel fired steam generator Unit 1 began commercial operation in 1960 and fossil fuel fired steam generator Unit 2 began commercial operation in 1961.}

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum operation heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input*	Fuel Type
1	2,400	Natural Gas, Propane
	2,300	No. 2 or 6 Fuel Oil
2	2,400	Natural Gas, Propane
	2,300	No. 2 or 6 Fuel Oil

*When a blend of fuel oil and natural gas or propane is burned, the heat input is prorated based upon the percent heat input of each fuel.

[Rules 62-4.160(2), 62-204.800, 62-210.200(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.}

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

A.3. Methods of Operation.

- Fuels.** The only fuels allowed to be burned are any combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane, and on-specification used oil from FPL operations.
- Other.** These emissions units may have additives, such as magnesium hydroxide and related compounds, injected into each boiler for boiler cleaning.

[Rule 62-213.410, F.A.C.]

A.4. Hours of Operation. See Specific Condition **D.1.**

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001 and 002

Emission Limitations and Standards

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

Unless otherwise specified, the averaging times for Specific Conditions **A.5.-A.10.** are based on the specified averaging time of the applicable test method.

A.5. Visible Emissions – Steady State Operation. Visible emissions shall not exceed 20 percent opacity. Emissions units governed by this visible emissions standard shall conduct a compliance test for visible emissions annually using EPA Reference Method 9. [0110036-005-AC, Specific Condition A.16.]

A.6. Visible Emissions – Soot Blowing and Load Change. Visible emissions shall not exceed 40 percent opacity during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

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

Visible emissions above 40 percent opacity shall be allowed for not more than 4, six (6)-minute periods, during the 3-hour period of excess emissions allowed by this condition.

Note: these units have operational continuous opacity monitors.

[Rule 62-210.700(3), F.A.C.; and 0110036-005-AC, Specific Condition A.17.]

A.7. Particulate Matter – Steady State Operation. Particulate matter emissions shall not exceed 0.03 pound per million Btu heat input, as measured by applicable compliance methods. [0110036-005-AC, Specific Condition A.18.]

A.8. Particulate Matter – Soot Blowing and Load Change. Particulate matter emissions shall not exceed an average of 0.1 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. [0110036-005-AC, Specific Condition A.19.]

A.9. Sulfur Dioxide. Sulfur dioxide (SO₂) emissions shall not exceed 2.75 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 SO₂ emission limitation shall apply at all times including startup, shutdown, and load change. [Rules 62-213.440 and 62-296.405, F.A.C.]

A.10. Nitrogen Oxides. Nitrogen oxides emissions shall not exceed 0.20 pounds per million Btu while firing natural gas, and 0.36 pounds per million Btu while firing oil. Compliance shall be demonstrated based on a 30-day rolling average as measured by a continuous emissions monitoring system (CEMS). The CEMS must meet the performance specifications contained in 40 CFR 60, Appendix B, or 40 CFR 75. [Rule 62-296.570, F.A.C.]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

A.11. Excess Emissions. See Specific Conditions **D.2, D.3** and **D.4.**

Monitoring of Operations

A.12. CAM Plan. These emissions units are subject to the Compliance Assurance Monitoring (CAM) requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C. [40 CFR 64; Rules 62-204.800 and 62-213.440, F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS

Subsection A. Emissions Units 001 and 002

Continuous Monitoring Requirements

- A.13. COMS for Periodic Monitoring.** The owner or operator has installed continuous opacity monitoring systems (COMS) pursuant to 40 CFR Part 75. The owner or operator shall maintain and operate the 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]
- A.14. Sulfur Dioxide.** The owner or operator of the emission units shall demonstrate compliance with the sulfur dioxide limit of this permit by the following:
- Through the use of a continuous emission monitoring system (CEMS) installed, calibrated, 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 SO₂ CEMS shall be conducted no less than annually. Compliance shall be demonstrated based on a 3-hour rolling average.
 - In the event the CEMS becomes temporarily inoperable or interrupted, the fuels and the maximum fuel oil to natural gas firing ratio that shall be used is limited to that which was last used to demonstrate compliance prior to the loss of the CEMS, or the emissions units shall fuel switch and be fired with a fuel oil containing a maximum sulfur content of 2.5%, by weight, or less.
 - When burning 100% fuel oil, the emissions units shall be fired with a fuel oil containing a maximum sulfur content of 2.5%, by weight, or less.
- [Rules 62-213.440, 62-204.800 and 62-296.405, F.A.C.]

Test Methods and Procedures

- A.15. Test Methods.** Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
3A	Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM ₁₀ .)
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-4.070(3) and 62-213.440, F.A.C.]

- A.16. 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. [Rules 62-296.405 and 62-297.401, F.A.C.]
- A.17. Annual Tests Required for PM and VE.** Except as provided in specific conditions **A.18** and **A.19** of this permit, emission testing for particulate emissions and visible emissions shall be performed annually, no later than September 30th of each year, except for units that are not operating because of scheduled maintenance

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001 and 002

outages and emergency repairs, which will be tested within thirty days of returning to service. Unless specifically requested by the Compliance Authority pursuant to Rule 62-297.310(7)(b), F.A.C., periodic opacity tests are not required when firing natural gas. [Rules 62-4.070(3), 62-213.440 and 62-297.310(7), F.A.C.]

A.18. When PM Tests Not Required. See Specific Condition **D.5.**

A.19. When VE Tests Not Required. See Specific Condition **D.6.**

A.20. 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]

A.21. 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 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, and 62-297.401, F.A.C.]

A.22. Sulfur Dioxide. The test methods for sulfur dioxide emissions shall be EPA Methods 6, 6A, 6B, or 6C, incorporated by reference in Chapter 62-297, F.A.C. If the emissions unit obtains an alternate procedure under the provisions of Rule 62-297.620, F.A.C., the procedure shall become a condition of the emissions unit's permit. The Department will retain the authority to require EPA Method 6 or 6C if it has reason to believe that exceedences of the sulfur dioxide emissions limiting standard are occurring. The permittee may use the EPA test methods, referenced above, to demonstrate compliance; however, as an alternate sampling procedure authorized by permit, the permittee shall demonstrate compliance using CEMS for sulfur dioxide. [Rules 62-213.440 and 62-296.405, F.A.C.]

A.23. 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 100% Fuel Oil.** Particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed on such emissions unit while firing solely fuel oil of less than or equal to 2.5% sulfur by weight (stoichiometrically representative of sulfur dioxide emissions of the SO₂ emission limit of 2.75 lb/MMBtu), except that such test shall not be required to be performed during any year that testing is performed in accordance with the following paragraph.
- b. When Burning Fuel Oil While Co-firing With Natural Gas.** Particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed on such emissions unit while co-firing oil with the appropriate proportion of natural gas required to maintain SO₂ emissions below the emission limit of 2.75 lb/MMBtu heat input.
- c. Test Required if Target SO₂ Emission Rate Increased.** 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 and 62-297.310, F.A.C.; request of applicant; and Administrative Correction 0110036-002-AV.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001 and 002

A.24. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310(7), F.A.C.]

Recordkeeping and Reporting Requirements

See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

A.25. 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 for SO₂ 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, F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 003 and 004

The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
003	Fossil Fuel Steam Generator, Unit 3
004	Fossil Fuel Steam Generator, Unit 4

Fossil fuel fired steam generators Unit 3 and Unit 4 are each 402 MW (electric) steam generators. The emissions units are fired on a variable combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane, and on-specification used oil from FPL operations. When firing fuel oil, the maximum heat input for each boiler is 4,000 MMBtu per hour, and when firing natural gas or propane, the maximum heat input for each boiler is 4,180 MMBtu per hour. Each emissions unit consists of a boiler which drives a turbine generator. Emissions are controlled with low NO_x burners and electrostatic precipitators (ESP) for PM control. Each unit is equipped with a 343-foot stack with an 18.1-foot exit diameter. Units 3 and 4 have a flow rate of 1,263,181 actual cubic feet per minute (acfm). Exit velocity is 81.8 feet per second (fps) at 287° F. These emissions units are subject to Compliance Assurance Monitoring (CAM) for the ESP control devices.

{Permitting note(s): These emissions units are regulated under Acid Rain, Phase II; and Rule 62-296.405, F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input. Fossil fuel fired steam generator Unit 3 began commercial operation in 1965, and fossil fuel fired steam generator Unit 4 began commercial operation in 1964.}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The maximum operation heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input*	Fuel Type
3	4,180	Natural Gas, Propane
	4,000	No. 2 or 6 Fuel Oil
4	4,180	Natural Gas, Propane
	4,000	No. 2 or 6 Fuel Oil

*When a blend of fuel oil and natural gas or propane is burned, the heat input is prorated based upon the percent heat input of each fuel. [Rules 62-4.160(2), 62-204.800, 62-210.200(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 the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

B.3. Methods of Operation.

- Fuels.** The only fuels allowed to be burned are any combination of No. 6 fuel oil, No. 2 fuel oil, natural gas, propane, and on-specification used oil from FPL operations.
- Other.** These emissions units may have additives, such as magnesium hydroxide and related compounds, injected into each boiler for boiler cleaning.

[Rule 62-213.410, F.A.C.]

B.4. Hours of Operation. See Specific Condition **D.1.**

Emission Limitations and Standards

B.5. Visible Emissions – Steady State Operation. Visible emissions shall not exceed 20 percent opacity. Emissions units governed by this visible emissions standard shall conduct a compliance test for visible

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 003 and 004

emissions annually using EPA Reference Method 9. [0110036-005-AC, Specific Condition A.16.]

- B.6. Visible Emissions – Soot Blowing and Load Change.** Visible emissions shall not exceed 40 percent opacity during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

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

Visible emissions above 40 percent opacity shall be allowed for not more than 4, six (6)-minute periods, during the 3-hour period of excess emissions allowed by this condition.

Note: these units have operational continuous opacity monitors.

[Rule 62-210.700(3), F.A.C.; and 0110036-005-AC, Specific Condition A.17.]

- B.7. Particulate Matter – Steady State Operation.** Particulate matter emissions shall not exceed 0.03 pound per million Btu heat input, as measured by applicable compliance methods. [0110036-005-AC, Specific Condition A.18.]
- B.8. Particulate Matter – Soot Blowing and Load Change.** Particulate matter emissions shall not exceed an average of 0.1 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. [0110036-005-AC, Specific Condition A.19.]
- B.9. Sulfur Dioxide.** Sulfur dioxide emissions shall not exceed 2.75 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. [Rules 62-213.440 and 62-296.405, F.A.C.]
- B.10. Nitrogen Oxides.** Nitrogen oxides emissions shall not exceed 0.40 pounds per million Btu while firing natural gas, and 0.53 pounds per million Btu while firing oil. Compliance shall be demonstrated based on a 30-day rolling average as measured by a CEMS. The CEMS must meet the performance specifications contained in 40 CFR 60, Appendix B, or 40 CFR 75. [Rules 62-296.570(4)(a)4. and (4)(b)2., F.A.C.]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

- B.11.** See Specific Conditions **D.2**, **D.3** and **D.4**.

Monitoring of Operations

- B.12. CAM Plan.** These emissions units are subject to the Compliance Assurance Monitoring (CAM) requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C. [40 CFR 64; Rules 62-204.800 and 62-213.440(1)(b)1.a., F.A.C.]

Continuous Monitoring Requirements

- B.13. COMS for Periodic Monitoring.** The owner or operator has installed 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]
- B.14. Sulfur Dioxide.** The owner or operator of the emission units shall demonstrate compliance with the sulfur dioxide limit of this permit by the following:

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 003 and 004

- a. Through the use of a continuous emission monitoring system (CEMS) installed, calibrated, 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 SO₂ CEMS shall be conducted no less than annually. Compliance shall be demonstrated based on a 3-hour rolling average.
- b. In the event the CEMS becomes temporarily inoperable or interrupted, the fuels and the maximum fuel oil to natural gas firing ratio that shall be used is limited to that which was last used to demonstrate compliance prior to the loss of the CEMS, or the emissions units shall fuel switch and be fired with a fuel oil containing a maximum sulfur content of 2.5%, by weight, or less.
- c. When burning 100% fuel oil, the emissions units shall be fired with a fuel oil containing a maximum sulfur content of 2.5%, by weight, or less.

[Rules 62-213.440, 62-204.800 and 62-296.405, F.A.C.]

Test Methods and Procedures

- B.15. Test Methods.** Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
3A	Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM ₁₀ .)
6	Determination of Sulfur Dioxide Emissions from Stationary Sources
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-213.440, 62-296.405, and 62-297.401, F.A.C.]

- B.16. 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]

- B.17. 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 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.]

- B.18. Sulfur Dioxide.** The test methods for sulfur dioxide emissions shall be EPA Methods 6, 6A, 6B, or 6C, incorporated by reference in Chapter 62-297, F.A.C. If the emissions unit obtains an alternate procedure

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 003 and 004

under the provisions of Rule 62-297.620, F.A.C., the procedure shall become a condition of the emissions unit's permit. The Department will retain the authority to require EPA Method 6 or 6C if it has reason to believe that exceedences of the sulfur dioxide emissions limiting standard are occurring. The permittee may use the EPA test methods, referenced above, to demonstrate compliance; however, as an alternate sampling procedure authorized by permit, the permittee shall demonstrate compliance using CEMS for sulfur dioxide. [Rules 62-213.440 and 62-296.405(1)(c)3. and (1)(e)3., F.A.C.]

- B.19. 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 100% Fuel Oil.** Particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed on such emissions unit while firing solely fuel oil of less than or equal to 2.5% sulfur by weight (stoichiometrically representative of sulfur dioxide emissions of the SO₂ emission limit of 2.75 lb/MMBtu), except that such test shall not be required to be performed during any year that testing is performed in accordance with the following paragraph.
 - b. When Burning Fuel Oil While Co-firing With Natural Gas.** Particulate matter and visible emissions tests during sootblowing and steady-state operation shall be performed on such emissions unit while co-firing oil with the appropriate proportion of natural gas required to maintain SO₂ emissions below the emission limit of 2.75 lb/MMBtu heat input.
 - c. Test Required if Target SO₂ Emission Rate Increased.** 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 and 62-297.310, F.A.C., Request of applicant; Administrative Correction 0110036-002-AV.]

- B.20. Visible Emissions.** The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C. A transmissometer may be used and calibrated according to Rule 62-297.520, F.A.C. [Rules 62-296.405. and 62-297.401, F.A.C.]

- B.21. Annual Tests Required for PM and VE.** Except as provided in Specific Conditions **B.22** and **B.23** of this permit, emission testing for particulate emissions and visible emissions shall be performed annually, no later than September 30th of each year, except for units that are not operating because of scheduled maintenance outages and emergency repairs, which will be tested within thirty days of returning to service. Unless specifically requested by the Compliance Authority pursuant to Rule 62-297.310(7)(b), F.A.C., periodic opacity tests are not required when firing natural gas. [Rules 62-4.070(3), 62-213.440 and 62-297.310(7), F.A.C.]

- B.22. When PM Tests Not Required.** See Specific Condition **D.5**.

- B.23. When VE Tests Not Required.** See Specific Condition **D.6**.

- B.24. Common Testing Requirements.** Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310(7), F.A.C.]

Recordkeeping and Reporting Requirements

See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 003 and 004

B.25. 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 and allow demonstration of compliance with the specific conditions for SO₂ emissions 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, F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emissions Unit 005

Subsection C. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
005	12 Simple Cycle Gas Turbines, GT1 through GT12

Emissions unit 005 consists of 12 simple cycle gas turbines (GT1 through GT12) manufactured by Pratt & Whitney, with a total capacity rated at 504 MW, and 8,424 MMBtu/hr. The emissions units are fired on any combination of No. 2 fuel oil and natural gas. Each turbine unit consists of two turbine engines which drive a turbine generator. Emissions are uncontrolled. Each unit is equipped with a 45-foot stack with a 15.6-foot exit diameter. The units have a flow rate of 1,069,740 actual cubic feet per minute (acfm). Exit velocity is 93.3 feet per second (fps) at 860° F. The turbines are regulated collectively as one emission unit.

{Permitting notes: These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required. These emissions units are not subject to 40 CFR 60, Subpart GG, Standards of Performance for New Stationary Gas Turbines. All turbines began commercial operation in 1971.}

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. The maximum operation heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input*	Fuel Type
GT1 through	8424	Natural Gas
GT12	8424	No. 2 Fuel Oil

*Total heat input for all twelve combustion turbines.

[Rules 62-4.160(2), 62-204.800, and 62-210.200(PTE), F.A.C.]

C.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

C.3. Methods of Operation. Fuels. The only fuels allowed to be burned are any combination of No. 2 fuel oil and natural gas. [Rule 62-213.410, F.A.C.]

C.4. Hours of Operation. See Specific Condition **D.1.**

Emission Limitations and Standards

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

Unless otherwise specified, the averaging times for Specific Conditions **C.5.** - **C.7.** are based on the specified averaging time of the applicable test method.

C.5. Visible Emissions. Visible emissions from each turbine shall not be equal to or greater than 20 percent opacity. [Rule 62-296.320(4)(b)1., F.A.C.]

C.6. When VE Tests Not Required. See Specific Condition **D.6.**

C.7. Nitrogen Oxides. Nitrogen oxides emissions shall not exceed 0.50 pounds per million Btu while firing natural gas, and 0.90 pounds per million Btu while firing oil. [Rule 62-296.570(4)(b)5., F.A.C.]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

C.8. See Specific Conditions **D.2**, **D.3** and **D.4**.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emissions Unit 005

Test Methods and Procedures

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

C.9. Test Methods. Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
3A	Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.401, F.A.C.]

C.10. Visible Emissions. The test method for visible emissions for emissions unit 005 (bank of twelve combustion turbines) shall be EPA Method 9, adopted and incorporated by reference in Rule 62-204.800, F.A.C., and referenced in Chapter 62-297, F.A.C. [Rules 62-204.800 and 62-297.401, F.A.C.]

C.11. Nitrogen Oxides. The test method for nitrogen oxides emissions shall be EPA Method 20, or EPA Method 7E, incorporated by reference in Chapter 62-297, F.A.C. If the owner or operator obtains an alternate procedure under the provisions of Rule 62-297.620, F.A.C., the procedure shall automatically become a condition of this permit. [Rules 62-213.440, 62-296.570(4)(a)3., 62-297.401, F.A.C.; and applicant request.]

C.12. Visible Emissions Testing Required. The owner or operator shall conduct testing for visible emissions, using EPA Method 9, while the combustion turbine is operating at 90-100 percent of its capacity, according to the following schedule:

The owner or operator shall conduct testing for visible emissions while firing fuel oil for each simple-cycle turbine unit upon that turbine's exceeding 400 hours of operation on fuel oil, and every 150 hours of operation on fuel oil thereafter, in any given federal fiscal year (October 1 through September 30). Such tests shall be performed within 15 days of exceeding such operating hours, to allow for prior notification of the tests.

[Rule 62-213.440, F.A.C.; applicant agreement with EPA on March 3, 1998; and AO 06-230618.]

C.13. Nitrogen Oxides. Provided operation is no more than 320 hours/year/turbine on oil, NO_x emissions for the combustion turbines shall be tested every five (5) years by EPA Method 20 or EPA Method 7E tests as described in 40 CFR 60, Appendix A on any representative unit in the bank of the combustion turbines. Tests shall be conducted both while burning 100% natural gas and 100% light distillate oil. [Rule 62-296.570, F.A.C.; and requested by the applicant in a letter dated September 19, 2000.]

C.14. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310(7), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emissions Unit 005

Recordkeeping and Reporting Requirements

See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

- C.15. Records of Fuel Consumption and Operating Time Required.** The owner or operator shall make and maintain records of the hours of operation of each turbine and the total fuel oil consumption of all twelve turbines in sufficient detail to ensure compliance with specific conditions of this permit. [Rule 62-4.070(3), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection D. Emissions Units 001, 002, 003, 004, 005**Subsection D. Common Conditions****Subsection D. The specific conditions in this section apply to the following emissions units:**

EU No.	Brief Description
001	Fossil Fuel Steam Generator, Unit 1.
002	Fossil Fuel Steam Generator, Unit 2.
003	Fossil Fuel Steam Generator, Unit 3.
004	Fossil Fuel Steam Generator, Unit 4.
005	12 Simple Cycle Gas Turbines, GT1 through GT12.

Essential Potential to Emit (PTE) Parameters

D.1. Hours of Operation. These emissions units may operate continuously (8760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Excess Emissions

D.2. Excess Emissions From Malfunction. 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.]

D.3. Excess Emissions From Startup or Shutdown. 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.]

D.4. Excess Emissions Prohibited. 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.]

D.5. When PM Tests Not Required. Annual and permit renewal compliance testing for particulate matter emissions is not required for these emissions units while burning:

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

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

D.6. When VE Tests Not Required. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:

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

[Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

D.7. DEP Method 9. The provisions of EPA Method 9 (40 CFR 60, Appendix A) are adopted by reference with the following exceptions:

- 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.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection D. Emissions Units 001, 002, 003, 004, 005

- b. 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:
- (1) 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.
 - (2) 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.]

Recordkeeping and Reporting Requirements

- D.8. Malfuncions - Notification.** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Broward County Department of Planning and Environmental Protection, Air Quality Division, in accordance with Rule 62-4.130, F.A.C. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Broward County Department of Planning and Environmental Protection, Air Quality Division. [Rule 62-210.700(6), F.A.C.]
- D.9. Excess Emissions - Report.** Submit to the Broward County Department of Planning and Environmental Protection, Air Quality Division, a written report of emissions in excess of emission limiting standards as set forth in this permit, for each calendar quarter. The nature and cause of the excess emissions shall be explained. This report does not relieve the owner or operator of the legal liability for violations. [Rules 62-213.440 and 62-296.405(1)(g), F.A.C.]

Other Specific Conditions

- D.10. Used Oil.** Burning of on-specification used oil is allowed in emissions units 001, 002, 003 and 004 in accordance with all other conditions of this permit and the following additional conditions:
- a. *On-specification Used Oil Allowed as Fuel.* This permit allows the burning of used oil fuel meeting EPA "on-specification" used oil specifications, with a PCB concentration of less than 50 ppm, originating from FPL operations. Used oil that does not meet the specifications for on-specification used oil shall not be burned at this facility.

On-specification used oil shall meet the following specifications: [40 CFR 279, Subpart B.]

Arsenic shall not exceed 5.0 ppm;
Cadmium shall not exceed 2.0 ppm;
Chromium shall not exceed 10.0 ppm;
Lead shall not exceed 100.0 ppm;
Total halogens shall not exceed 1000 ppm;
Flash point shall not be less than 100 degrees F.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection D. Emissions Units 001, 002, 003, 004, 005

- b. *Quantity Limited.* The maximum total quantity of used oil that may be burned in all four emissions units is 1.5 million gallons in any consecutive 12-month period.
- c. *Used Oil Containing PCBs Not Allowed.* 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. *PCB Concentration of 2 to less than 50 ppm.* On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall be burned only at normal source operating temperatures. On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall not be burned during periods of startup or shutdown.
- e. *Testing Required.* 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), latest edition.

- f. *Record Keeping Required.* 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: [40 CFR 279.61 and 761.20(e)]
 - (1) The gallons of on-specification used oil received 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 Required.* 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.

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

SECTION IV. ACID RAIN PART.

Subsection A. Phase II

Operated by: Florida Power and Light Company
ORIS Code: 0617

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

E.U.**ID No. Brief Description**

001	Fossil Fuel Steam Generator, Unit 1
002	Fossil Fuel Steam Generator, Unit 2
003	Fossil Fuel Steam Generator, Unit 3
004	Fossil Fuel Steam Generator, Unit 4

A.1. Application. The Phase II 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 Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application listed below:

a. DEP Form No. 62-210.900(1)(a), dated 04/15/08, received 07/02/08.
[Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

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

E.U. ID No.	EPA ID	Year	2009	2010	2011	2012	2013
001	PPE1	SO ₂ allowances, under Table 2 of 40 CFR 73	2,339*	2,343*	2,343*	2,343*	2,343*
002	PPE2	SO ₂ allowances, under Table 2 of 40 CFR 73	2,413*	2,417*	2,417*	2,417*	2,417*
003	PPE3	SO ₂ allowances, under Table 2 of 40 CFR 73	5,880*	5,891*	5,891*	5,891*	5,891*
004	PPE4	SO ₂ allowances, under Table 2 of 40 CFR 73	5,962*	5,973*	5,973*	5,973*	5,973*

* 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.

A.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.

- 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.
- No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.
- Allowances shall be accounted for under the Federal Acid Rain Program.
[Rule 62-213.440(1)(c)1., 2. & 3., F.A.C.]

A.4. Comments, notes, and justifications: None.

SECTION IV. ACID RAIN PART.

Subsection A. Phase II

Acid Rain Part- Page 1

Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31 and Chapter 62-214, F.A.C.

This submission is: ☐ New ☒ Revised

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

Plant Name: Port Everglades	State: Florida	ORIS Code: 617
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STEP 2

Enter the unit ID# for every
Acid Rain unit at the Acid
Rain source in column "a."
For new units, enter the
requested information in
columns "c" and "d."

a	b	c	d
Unit ID#	Unit will hold allowances in accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Date	New Units Monitor Certification Deadline
PPE 1	Yes	N/A	N/A
PPE 2	Yes	N/A	N/A
PPE 3	Yes	N/A	N/A
PPE 4	Yes	N/A	N/A
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		

DEP Form No. 62-210.900(1)(a) - Form
Effective: 06/16/03

SECTION IV. ACID RAIN PART.

Subsection A. Phase II

Acid Rain Part - Page 2

Port Everglades
Plant Name (from Step 1)

STEP 3
Read the standard
requirements

Acid Rain Part 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 and 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 Department determines is necessary in order to review an Acid Rain part application and issue or deny an Acid Rain part;
- (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 Department; 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)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), 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) 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 part application, the Acid Rain part, or an exemption under 40 CFR 72.7 or 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 EPA or the Department:
 - (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, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and

SECTION IV. ACID RAIN PART.

Subsection A. Phase II

Acid Rain Part - Page 3

Port Everglades

Plant Name (from Step 1)

STEP 3,
Cont'd.

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 an 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 40 CFR 76.11 (NO_x averaging 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, 76, 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 an 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.

STEP 4

Certification

Read the
certification
statement, sign,
and date

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.

Name: **Sheila M. Wilkinson**

Signature



Date

4/15/08

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Clean Air Interstate Rule (CAIR).

Operated by: Florida Power and Light Company

Plant Name: Port Everglades Plant

ORIS Code: 0617

The emissions units below are regulated under the Clean Air Interstate Rule.

E.U. ID No.	EPA Unit ID#	Brief Description
-001	PPE1	Fossil Fuel Steam Generator, Unit 1
-002	PPE2	Fossil Fuel Steam Generator, Unit 2
-003	PPE3	Fossil Fuel Steam Generator, Unit 3
-004	PPE4	Fossil Fuel Steam Generator, Unit 4
-005	GPE01	Simple Cycle Gas Turbine, GT1
-005	GPE02	Simple Cycle Gas Turbine, GT2
-005	GPE03	Simple Cycle Gas Turbine, GT3
-005	GPE04	Simple Cycle Gas Turbine, GT4
-005	GPE05	Simple Cycle Gas Turbine, GT5
-005	GPE06	Simple Cycle Gas Turbine, GT6
-005	GPE07	Simple Cycle Gas Turbine, GT7
-005	GPE08	Simple Cycle Gas Turbine, GT8
-005	GPE09	Simple Cycle Gas Turbine, GT9
-005	GPE10	Simple Cycle Gas Turbine, GT10
-005	GPE11	Simple Cycle Gas Turbine, GT11
-005	GPE12	Simple Cycle Gas Turbine, GT12

1. Clean Air Interstate Rule Application. The Clean Air Interstate Rule Part Form submitted for this facility is a part of this permit. The owners and operators of these CAIR units as identified in this form must comply with the standard requirements and special provisions set forth in the CAIR Part Form (DEP Form No. 62-210.900(1)(b) - Form, Effective: 3/16/08), which is attached at the end of this section. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Clean Air Interstate Rule (CAIR) Part

For more information, see instructions and refer to 40 CFR 96.121, 96.122, 96.221, 96.222, 96.321 and 96.322; and Rule 62-296.470, F.A.C.

This submission is: ☒ New ☐ Revised ☐ Renewal

STEP 1

Identify the source by plant name and ORIS or EIA plant code

Plant Name: Port Everglades	State: Florida	ORIS or EIA Plant Code: 000617
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STEP 2

In column "a" enter the unit ID# for every CAIR unit at the CAIR source.

In columns "b," "c," and "d," indicate to which CAIR program(s) each unit is subject by placing an "X" in the column(s).

For new units, enter the requested information in columns "e" and "f."

a	b	c	d	e	f
Unit ID#	Unit will hold nitrogen oxides (NO _x) allowances in accordance with 40 CFR 96.106(c)(1)	Unit will hold sulfur dioxide (SO ₂) allowances in accordance with 40 CFR 96.206(c)(1)	Unit will hold NO _x Ozone Season allowances in accordance with 40 CFR 96.306(c)(1)	New Units Expected Commence Commercial Operation Date	New Units Expected Monitor Certification Deadline
PPE1	X	X	X		
PPE2	X	X	X		
PPE3	X	X	X		
PPE4	X	X	X		
GPE01	X	X	X		
GPE02	X	X	X		
GPE03	X	X	X		
GPE04	X	X	X		
GPE05	X	X	X		
GPE06	X	X	X		
GPE07	X	X	X		
GPE08	X	X	X		
GPE09	X	X	X		
GPE10	X	X	X		
GPE11	X	X	X		
GPE12	X	X	X		

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

STEP 3

**Read the
standard
requirements.**

Plant Name (from STEP 1)

Port Everglades

CAIR NO_x ANNUAL TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x source and each CAIR NO_x unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_x source with the following CAIR NO_x Emissions Requirements.

NO_x Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
- (2) A CAIR NO_x unit shall be subject to the requirements under paragraph (1) of the NO_x Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Requirements, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
- (5) A CAIR NO_x allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO_x allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x unit.

Excess Emissions Requirements.

If a CAIR NO_x source emits NO_x during any control period in excess of the CAIR NO_x emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x 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 before the end of 5 years, in writing by the DEP or the Administrator.
 - (i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_x unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; 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 under 40 CFR 96.113 changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.
 - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.
- (2) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

**STEP 3,
Continued**

Plant Name (from STEP 1)

Port Everglades

Liability.

- (1) Each CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program.
(2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source or the CAIR designated representative of a CAIR NO_x source shall also apply to the owners and operators of such source and of the CAIR NO_x units at the source.
(3) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x unit or the CAIR designated representative of a CAIR NO_x unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO₂ TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR SO₂ source and each SO₂ CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHH, and Rule 62-296.470, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO₂ source with the following CAIR SO₂ Emission Requirements.

SO₂ Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
(2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO₂ Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
(4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
(5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR SO₂ allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO₂ unit.

Excess Emissions Requirements.

If a CAIR SO₂ source emits SO₂ during any control period in excess of the CAIR SO₂ emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Plant Name (from STEP 1) Port Everglades

**STEP 3,
Continued**

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ 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 before the end of 5 years, in writing by the Department or the Administrator.
- (i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; 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 under 40 CFR 96.213 changing the CAIR designated representative.
- (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.
- (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.
- (2) The CAIR designated representative of a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

- (1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.
- (2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source or the CAIR designated representative of a CAIR SO₂ source shall also apply to the owners and operators of such source and of the CAIR SO₂ units at the source.
- (3) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ unit or the CAIR designated representative of a CAIR SO₂ unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO₂ Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall:
- (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
- (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_x Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_x Ozone Season source with the following CAIR NO_x Ozone Season Emissions Requirements.

NO_x Ozone Season Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.
- (2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitoring certification requirements under 40 CFR 96.370(b)(1), (2), or (3) and for each control period thereafter.
- (3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.
- (4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.
- (5) A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

- (6) A CAIR NO_x Ozone Season allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x Ozone Season unit.

Plant Name (from STEP 1)	Port Everglades
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**STEP 3,
Continued**

Excess Emissions Requirements.

If a CAIR NO_x Ozone Season source emits NO_x during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season 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 before the end of 5 years, in writing by the DEP or the Administrator.

(i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO_x Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; 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 under 40 CFR 96.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall submit the reports required under the CAIR NO_x Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

(1) Each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit shall meet the requirements of the CAIR NO_x Ozone Season Trading Program.

(2) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season source or the CAIR designated representative of a CAIR NO_x Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_x Ozone Season units at the source.

(3) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season unit or the CAIR designated representative of a CAIR NO_x Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

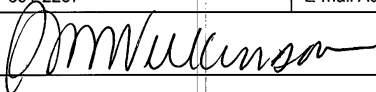
No provision of the CAIR NO_x Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x Ozone Season source or CAIR NO_x Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Certification (for designated representative or alternate designated representative only)

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR 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.

Name: Sheila Wilkinson	Title: PGD Environmental Manager (DR)
Company Owner Name: Florida Power & Light	
Phone: 561-691-2287	E-mail Address: Sheila_M_Wilkinson@fpl.com
Signature: 	Date: 5/27/08

SECTION VI. APPENDICES.

The Following Appendices Are Enforceable As Allowed By Rule Applicability And Are Supporting Documents For The Air Operating Permit:

Appendix A, Glossary.

Appendix ASP, ASP Number 97-B-01 (With Scrivener's Order Dated July 9, 1997).

Appendix CAM, Compliance Assurance Monitoring Plan.

Appendix I, List of Insignificant Emissions Units and/or Activities.

Appendix O, Order Granting Petition for Reduced Frequency of Particulate Testing.

Appendix RR, Facility-wide Reporting Requirements.

Appendix TR, Facility-wide Testing Requirements.

Appendix TV, Title V General Conditions.

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

APPENDIX A

ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

° F: degrees Fahrenheit

acfm: actual cubic feet per minute

AOR: Annual Operating Report

ARMS: Air Resource Management System (Department's database)

BACT: best available control technology

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

CO: carbon monoxide

COMS: continuous opacity monitoring system

DARM: Division of Air Resources Management

DCA: Department of Community Affairs

DEP: Department of Environmental Protection

Department: Department of Environmental Protection

dscfm: dry standard cubic feet per minute

EPA: Environmental Protection Agency

ESP: electrostatic precipitator (control system for reducing particulate matter)

EU: emissions unit

F.A.C.: Florida Administrative Code

F.D.: forced draft

F.S.: Florida Statutes

FGR: flue gas recirculation

Fl: fluoride

ft²: square feet

ft³: cubic feet

gpm: gallons per minute

gr: grains

HAP: hazardous air pollutant

Hg: mercury

I.D.: induced draft

ID: identification

ISO: International Standards Organization (refers to those conditions at 288 Kelvin, 60% relative humidity and 101.3 kilopascals pressure.)

kPa: kilopascals

LAT: Latitude

lb: pound

APPENDIX A

ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

lbs/hr: pounds per hour
LONG: Longitude
MACT: maximum achievable technology
mm: millimeter
MMBtu: million British thermal units
MSDS: material safety data sheets
MW: megawatt
NESHAP: National Emissions Standards for Hazardous Air Pollutants
NO_x: nitrogen oxides
NSPS: New Source Performance Standards
O&M: operation and maintenance
O₂: oxygen
ORIS: Office of Regulatory Information Systems
OS: Organic Solvent
Pb: lead
PM: particulate matter
PM₁₀: particulate matter with a mean aerodynamic diameter of 10 microns or less
PSD: prevention of significant deterioration
psi: pounds per square inch
PTE: potential to emit
RACT: reasonably available control technology
RATA: relative accuracy test audit
RMP: Risk Management Plan
RO: Responsible Official
SAM: sulfuric acid mist
scf: standard cubic feet
scfm: standard cubic feet per minute
SIC: standard industrial classification code
SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
SOA: Specific Operating Agreement
SO₂: sulfur dioxide
TPH: tons per hour
lbs/hr: pounds per hour
LONG: Longitude
MACT: maximum achievable technology
mm: millimeter
MMBtu: million British thermal units
MSDS: material safety data sheets

APPENDIX A

ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

MW: megawatt
NESHAP: National Emissions Standards for Hazardous Air Pollutants
NO_x: nitrogen oxides
NSPS: New Source Performance Standards
O&M: operation and maintenance
O₂: oxygen
ORIS: Office of Regulatory Information Systems
OS: Organic Solvent
Pb: lead
PM: particulate matter
PM₁₀: particulate matter with a mean aerodynamic diameter of 10 microns or less
PSD: prevention of significant deterioration
psi: pounds per square inch
PTE: potential to emit
RACT: reasonably available control technology
RATA: relative accuracy test audit
RMP: Risk Management Plan
RO: Responsible Official
SAM: sulfuric acid mist
scf: standard cubic feet
scfm: standard cubic feet per minute
SIC: standard industrial classification code
SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
SOA: Specific Operating Agreement
SO₂: sulfur dioxide
TPH: tons per hour
TPY: tons per year
UTM: Universal Transverse Mercator coordinate system
VE: visible emissions
VOC: volatile organic compounds
x: By or times

Citations:

The following examples illustrate the methods used in this permit to abbreviate and cite the references of rules, regulations, guidance memorandums, permit numbers and ID numbers.

Code of Federal Regulations:

APPENDIX A

ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

Example: **[40 CFR 60.334]**

Where:	40	refers to	Title 40
	CFR	refers to	Code of Federal Regulations
	60	refers to	Part 60
	60.334	refers to	Regulation 60.334

Florida Administrative Code (F.A.C.) Rules:

Example: **[Rule 62-213.205, F.A.C.]**

Where:	62	refers to	Title 62
	62-213	refers to	Chapter 62-213
	62-213.205	refers to	Rule 62-213.205, F.A.C.

Identification Numbers:

Facility Identification (ID) Number:

Example: Facility ID No.: 1050221

Where:

105	=	3-digit number code identifying the facility is located in Polk County
0221	=	4-digit number assigned by state database.

Permit Numbers:

Example: 1050221-002-AV, or
1050221-001-AC

Where:

AC	=	Air Construction Permit
AV	=	Air Operation Permit (Title V Source)
105	=	3-digit number code identifying the facility is located in Polk County
0221	=	4-digit number assigned by permit tracking database
001 or 002	=	3-digit sequential project number assigned by permit tracking database

Example: PSD-FL-185
PA95-01
AC53-208321

Where:

PSD	=	Prevention of Significant Deterioration Permit
PA	=	Power Plant Siting Act Permit
AC53	=	old Air Construction Permit numbering identifying the facility is located in Polk County

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ORDER ON REQUEST FOR ALTERNATE PROCEDURES AND REQUIREMENTS

FINDINGS OF FACT

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not exceed 40 percent. The option selected shall be specified in the emissions unit's construction and operation permits. Emissions units governed by this visible emission limit shall test for particulate emission compliance annually and as otherwise required by Rule 62-297, F.A.C."

4. Rule 62-296.405(1)(a), F.A.C., further states, "Emissions units electing to test for particulate matter emission compliance quarterly shall be allowed visible emissions of 40 percent opacity. The results of such tests shall be submitted to the Department. Upon demonstration that the particulate standard has been regularly complied with, the Secretary, upon petition by the applicant, shall reduce the frequency of particulate testing to no less than once annually.

5. Rule 297.310(7)(a)1., F.A.C., states, "The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit."

6. Rule 297.310(7)(a)3., F.A.C., states, "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.

7. Rule 297.310(7)(a)3., F.A.C., further states, "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 and/or solid fuel for a total of no more than 400 hours."

8. Rule 297.310(7)(a)4., F.A.C., states, "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..."

9. Rule 297.310(7)(a)5., F.A.C., states, "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 and/or solid fuel, other than during startup, for a total of more than 400 hours."

10. Rule 297.310(7)(a)6., F.A.C., states, "For fossil fuel steam generators on a semi-annual particulate matter emission compliance testing schedule, a compliance test shall not be

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required for any six-month period in which liquid and/or solid fuel is not burned for more than 200 hours other than during startup."

11. Rule 297.310(7)(a)7., F.A.C., states, "For emissions units electing to conduct particulate matter emission compliance testing quarterly pursuant to Rule 62-296.405(2)(a), F.A.C., a compliance test shall not be required for any quarter in which liquid and/or solid fuel is not burned for more than 100 hours other than during startup." [Note: The reference should be to Rule 62-296.405(1)(a), F.A.C., rather than Rule 62-296.405(2)(a), F.A.C.]

12. The fifth edition of the U. S. Environmental Protection Agency's Compilation of Air Pollutant Emission Factors, AP-42, that emissions of filterable particulate from gas-fired fossil fuel steam generators with a heat input of more than about 10 million Btu per hour may be expected to range from 0.001 to 0.006 pound per million Btu. [Exhibit 2]

13. Rule 62-296.405(1)(b), F.A.C. and the federal standards of performance for new stationary sources in 40 CFR 60.42, Subpart D, limit particulate emissions from uncontrolled fossil fuel fired steam generators with a heat input of more than 250 million Btu to 0.1 pound per million Btu.

CONCLUSIONS OF LAW

1. The Department has jurisdiction to consider the matter pursuant to Section 403.061, Florida Statutes (F.S.), and Rule 62-297.620, F.A.C.

2. Pursuant to Rule 62-297.310(7), F.A.C., the Department may require Petitioner to conduct compliance tests that identify the nature and quantity of pollutant emissions, if, after investigation, it is believed that any applicable emission standard or condition of the applicable permits is being violated.

3. There is reason to believe that a fossil fuel steam generator which does not burn liquid and/or solid fuel (other than during startup) for a total of more than 400 hours in a federal fiscal year and complies with all other applicable limits and permit conditions is in compliance with the applicable particulate mass emission limiting standard.

ORDER

Having considered the requirements of Rule 62-296.405, F.A.C., Rule 62-297.310, F.A.C., and supporting documentation, it is hereby ordered that:

1. 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 and/or solid fuel, other than during startup, for a total of more than 400 hours;

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2. For fossil fuel steam generators on a semi-annual particulate matter emission compliance testing schedule, a compliance test shall not be required for any six-month period in which liquid and/or solid fuel is not burned for more than 200 hours other than during startup;

3. For emissions units electing to conduct particulate matter emission compliance testing quarterly pursuant to Rule 62-296.405(1)(a), F.A.C., a compliance test shall not be required for any quarter in which liquid and/or solid fuel is not burned for more than 100 hours other than during startup;

4. 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 particulate matter emission compliance test results for any fossil fuel steam generator emissions unit that burned liquid and/or solid fuel for a total of no more than 400 hours during the year prior to renewal.

5. Pursuant to Rule 62-297.310(7), F.A.C., owners of affected fossil fuel steam generators may be required to conduct compliance tests that identify the nature and quantity of pollutant emissions, if, after investigation, it is believed that any applicable emission standard or condition of the applicable permits is being violated.

6. Pursuant to Rule 62-297.310(8), F.A.C., owners of affected fossil fuel steam generators shall submit the compliance test report to the District Director of the Department district office having jurisdiction over the emissions unit and, where applicable, the Air Program Administrator of the appropriate Department-approved local air program within 45 days of completion of the test.

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, or a party requests mediation as an alternative remedy under section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for requesting mediation.

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 Station 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 (or a request for mediation, as discussed below) 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

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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 each petitioner, if any;
- (e) A statement of 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 each petitioner contends require reversal or modification of the Department's action or proposed action; and,
- (g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action in the 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.

A person whose substantial interests are affected by the Department's proposed decision, may elect to pursue mediation by asking all parties to the proceeding to agree to such mediation and by filing with the Department a request for mediation and the written agreement of all such parties to mediate the dispute. The request and agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

A request for mediation must contain the following information:

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(a) The name, address, and telephone number of the person requesting mediation and that person's representative, if any;

(b) A statement of the preliminary agency action;

(c) A statement of the relief sought; and

(d) Either an explanation of how the requester's substantial interests will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that the requester has already filed, and incorporating it by reference.

The agreement to mediate must include the following:

(a) The names, addresses, and telephone numbers of any persons who may attend the mediation;

(b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;

(c) The agreed allocation of the costs and fees associated with the mediation;

(d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;

(f) The name of each party's representative who shall have authority to settle or recommend settlement; and

(g) The signatures of all parties or their authorized representatives.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57 for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will

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specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

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 Station 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

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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 the 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.

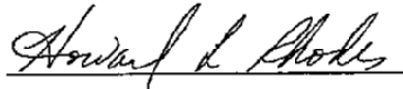
This Order constitutes final agency action unless a petition is filed in accordance with the above paragraphs. Upon timely filing of a petition, this Order will not be effective until further Order of the Department.

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, 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 30 days from the date the Notice of Agency Action is filed with the Clerk of the Department.

DONE AND ORDERED this 17 day of March, 1997 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



HOWARD L. RHODES, Director
Division of Air Resources Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(904) 488-0114

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CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that a copy of the foregoing was mailed to Rich Piper, Chair, Florida Power Coordinating Group, Inc., 405 Reo Street, Suite 100, Tampa, Florida 33609-1004, on this 18th day of March 1997.

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.

Martha M. Wise 3-18-97
Clerk Date

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the matter of:)
)
Florida Electric Power Coordinating Group, Inc.,) ASP No. 97-B-01
)
Petitioner.)

ORDER CORRECTING SCRIVENER'S ERROR

The Order which authorizes owners of natural gas fired fossil fuel steam generators to forgo particulate matter compliance testing on an annual basis and prior to renewal of an operation permit entered on the 17th day of March, 1997, is hereby corrected on page 4, paragraph number 4, by deleting the words "pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C.":

4. 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 particulate matter emission compliance test results for any fossil fuel steam generator emissions unit that burned liquid and/or solid fuel for a total of no more than 400 hours during the year prior to renewal.

DONE AND ORDERED this 2 day of July, 1997 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



HOWARD L. RHODES, Director
Division of Air Resources Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(904) 488-0114

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The above two documents comprise Appendix ASP.

APPENDIX CAM

Compliance Assurance Monitoring Requirements

Compliance Assurance Monitoring Requirements

Pursuant to Rule 62-213.440(1)(b)1.a., F.A.C., the CAM plans that are included in this appendix contain the monitoring requirements necessary to satisfy 40 CFR 64. Conditions 1. – 17. are generic conditions applicable to all emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the attached tables, as submitted by the applicant and approved by the Department.

40 CFR 64.6 Approval of Monitoring.

1. The attached CAM plan(s), as submitted by the applicant, is/are approved for the purposes of satisfying the requirements of 40 CFR 64.3. [40 CFR 64.6(a)]
2. The attached CAM plan(s) include the following information:
 - a. The indicator(s) to be monitored (such as temperature, pressure drop, emissions, or similar parameter);
 - b. The means or device to be used to measure the indicator(s) (such as temperature measurement device, visual observation, or CEMS); and
 - c. The performance requirements established to satisfy 40 CFR 64.3(b) or (d), as applicable. [40 CFR 64.6(c)(1)]
3. The attached CAM plan(s) describe the means by which the owner or operator will define an exceedance of the permitted limits or an excursion from the stated indicator ranges and averaging periods for purposes of responding to (see **CAM Conditions 5. - 9.**) and reporting exceedances or excursions (see **CAM Conditions 10. – 14.**). [40 CFR 64.6(c)(2)]
4. The permittee is required to conduct the monitoring specified in the attached CAM plan(s) and shall fulfill the obligations specified in the conditions below (see **CAM Conditions 5. - 17.**). [40 CFR 64.6(c)(3)]

40 CFR 64.7 Operation of Approved Monitoring.

5. Commencement of operation. The owner or operator shall conduct the monitoring required under this appendix upon the effective date of this Title V permit. [40 CFR 64.7(a)]
6. Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
7. Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. [40 CFR 64.7(c)]

8. Response to excursions or exceedances.

- a. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions, if allowed by this permit). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- b. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[40 CFR 64.7(d)(1) & (2)]

9. Documentation of need for improved monitoring. If the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. [40 CFR 64.7(e)]

40 CFR 64.8 Quality Improvement Plan (QIP) Requirements.

10. Based on the results of a determination made under **CAM Condition 8.a.**, above, the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with **CAM Condition 4.**, an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, may require the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices. [40 CFR 64.8(a)]

11. Elements of a QIP.

- a. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- b. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:
 - (1) Improved preventive maintenance practices.
 - (2) Process operation changes.
 - (3) Appropriate improvements to control methods.
 - (4) Other steps appropriate to correct control performance.

(5) More frequent or improved monitoring (only in conjunction with one or more steps under **CAM Condition 11.b(i)** through **(iv)**, above).

[40 CFR 64.8(b)]

12. If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. [40 CFR 64.8(c)]

13. Following implementation of a QIP, upon any subsequent determination pursuant to **CAM Condition 8.b.**, the permitting authority may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:

- a. Failed to address the cause of the control device performance problems; or
- b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

[40 CFR 64.8(d)]

14. Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. [40 CFR 64.8(e)]

40 CFR 64.9 Reporting And Recordkeeping Requirements.

15. General reporting requirements.

a. On and after the date specified in **CAM Condition 5.** by which the owner or operator must use monitoring that meets the requirements of this appendix, the owner or operator shall submit monitoring reports semi-annually to the permitting authority in accordance with Rule 62-213.440(1)(b)3.a., F.A.C.

b. A report for monitoring under this part shall include, at a minimum, the information required under Rule 62-213.440(1)(b)3.a., F.A.C., and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in **CAM Conditions 10.** through **14.** Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 CFR 64.9(a)]

16. General recordkeeping requirements.

a. The owner or operator shall comply with the recordkeeping requirements specified in Rule 62-213.440(1)(b)2., F.A.C. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to **CAM Conditions 10.** through **14.** and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

- b. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

[40 CFR 64.9(b)]

40 CFR 64.10 Savings Provisions.

17. It should be noted that nothing in this appendix shall:

- a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this appendix shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to Title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under Title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.
- b. Restrict or abrogate the authority of the Administrator or the permitting authority to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.
- c. Restrict or abrogate the authority of the Administrator or permitting authority to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.

[40 CFR 64.10]

Florida Power and Light Company Port Everglades Plant

Emissions Units 001, 002, 003 and 004

**Fossil Fuel Steam Generators
PM Emissions Controlled By Electro-static Precipitators (ESP)**

Monitoring Approach

TABLE 1: MONITORING APPROACH (This table revised under project No. 0110036-009-AV)

EMISSION UNITS 001 – 004 ESP		
I. Indicator	Indicator No. 1	Indicator No. 2
Measurement Approach	Power (in Watts) The secondary voltage and secondary milliamps for each transformer-rectifier (TR) set will be read from the meters in place on the ESP, either manually or through remote monitoring. Parameters to Monitor: Performance of the ESP will be measured by the secondary kilovolts and secondary milliamps for each cell of the ESP. The readings from each TR set will be recorded once each day to determine the power to each cell of the ESP. $P_t = V_1I_1 + V_2I_2 + V_3I_3 + V_4I_4 + V_5I_5 + V_6I_6 + V_7I_7 + V_8I_8$ P_t = Total ESP power (watts) V_1 = Secondary voltage (kV), ESP field 1 I_1 = Secondary current (ma), ESP field 1 V_2 = Secondary voltage (kV), ESP field 2 I_2 = Secondary current (ma), ESP field 2 V_3 = Secondary voltage (kV), ESP field 3 I_3 = Secondary current (ma), ESP field 3 V_4 = Secondary voltage (kV), ESP field 4 I_4 = Secondary current (ma), ESP field 4 V_5 = Secondary voltage (kV), ESP field 5 I_5 = Secondary current (ma), ESP field 5	Change in duct opacity Continuous opacity monitoring system (COMS)

APPENDIX CAM

	V_6 = Secondary voltage (kV), ESP field 6 I_6 = Secondary current (ma), ESP field 6 V_7 = Secondary voltage (kV), ESP field 7 I_7 = Secondary current (ma), ESP field 7 V_8 = Secondary voltage (kV), ESP field 8 I_8 = Secondary current (ma), ESP field 8	
II. Indicator Range	For Units 001 and 002, an excursion is defined as any hourly average of the ESP secondary power level less than 82 kilowatts. For Units 003 and 004, an excursion is defined as any hourly average of the ESP secondary power level less than 88 kilowatts. An excursion will trigger an investigation of the occurrence, corrective actions, and a reporting/documentation requirement.	An excursion is defined as any sudden and sustained step-change (increase) in opacity as documented by the trend of the consecutive 6-minute averages (other than startup and shutdown periods).
III. Performance Criteria		
A. Data Representativeness	ESP secondary voltage and secondary current for fields 1, 2, 3, 4, 5, 6, 7 and 8 are recorded at least four times per hour.	Based on available data under normal operation, opacity varies with load and operating conditions. Variability is typically a gradual increase or decrease, with occasional sudden spikes and dips. A sudden and sustained step-increase in opacity could indicate a failure in one or more of the transformer-rectifiers.
B. Verification of Operational Status	Not Applicable	The COM system is audited quarterly.
C. QA/QC Practices and Criteria	The voltmeter and ammeter will be calibrated and maintained as required by the manufacturer, but no less than annually.	Install and operate COMS according to 40 CFR 60, Appendix B, Performance Specification 1 and general provisions 60.13.
D. Monitoring Frequency	The power will be calculated from secondary kilovolt and milliamp readings to be taken at least four times per hour. The reading will consist of averaging 4 readings approximately 15 minutes apart, over a one hour period	Continuous.

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E. Data Collection Procedures	The secondary kilovolt and milliamp readings will be taken from the voltmeter and ammeter. The values for each cell will be multiplied and then added together to determine the status.	The COMS collects data that are reduced to 6-minute averages. Consecutive 6-minute averages are tracked through the Distributed Control System (DCS) and CEM software.
F. Averaging Period	Four readings, approximately 15 minutes apart, over a one-hour period.	Six Minutes.
G. Operational Requirements	At least two (2) of the eight (8) TR sets installed on Units 001 and 002 shall be in service at all times when 100% fuel oil is being fired. At least two (2) of the eight (8) TR sets installed on Units 003 and 004 shall be in service at all times when 100% fuel oil is being fired.	At least two (2) of the eight (8) TR sets installed on Units 001 and 002 shall be in service at all times when 100% fuel oil is being fired. At least two (2) of the eight (8) TR sets installed on Units 003 and 004 shall be in service at all times when 100% fuel oil is being fired.

APPENDIX I**LIST OF INSIGNIFICANT EMISSIONS UNITS AND/OR ACTIVITIES**

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 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 Rules 62-210.300(3)(a) and (b)1., 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 Rules 62-210.300(3)(a) and (b)1., 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/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

Brief Description of Emissions Units and/or Activities	
1.	Spent boiler chemical cleaning liquid evaporation.
2.	Laboratory equipment used exclusively for chemical or physical analysis.
3.	Brazing, soldering, or welding equipment.
4.	Surface coating facilities provided that 6.0 gallons of coatings per day or less are applied.
5.	Hydrazine feed line vent.
6.	Lube oil system.
7.	Oil/water separators and related equipment.
8.	Misc. mobile vehicle operation.
9.	Paint & lube oil building.
10.	Chemical storage building.
11.	Hazardous waste storage area.
12.	Natural gas metering station.
13.	Internal combustion engine.
14.	Fire and safety equipment.

APPENDIX O

ORDER GRANTING PETITION FOR REDUCED FREQUENCY OF PARTICULATE TESTING

01 02 '87 02:45PM FPL ENV SERVICES 561 691 7870

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of:

Petition for Reduction in Quarterly	OGC Case Nos. 1	83-0578
Particulate Emissions Compliance	83-0577, 83-0574,	
Testing;	83-0585, 83-0586,	
FLORIDA POWER AND LIGHT COMPANY,	83-0587, 83-0588	
Petitioner.	83-0581, 83-0580	

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:

Fort Everglades Plant Unit No. 2
Fort Everglades Plant Unit No. 3
Fort 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

Posnet brand fax transmittal memo 7/81 # of pages = 3

To	From
Scott Shoyak	RICH PIPER
Cc	Cc
Encl	Phone
Fax	Fax

APPENDIX O
ORDER GRANTING PETITION FOR REDUCED FREQUENCY OF PARTICULATE TESTING

JUL 02 '97 02:42PM FPL ENV SERVICES 061 691 7878

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upon a demonstration that the particulate standard has been regularly met. The particulate standard referred to is the general standard found in the rule--0.1 parts per million by heat input--not a relaxed emission limit established by a variance.

The intent of Rule 17-2.600(5)(b)1 is to ensure that before the frequency of particulate testing is reduced, the source has established a record of complying with the requirements of Florida Administrative Code Chapter 17-2 relating to particulate matter emissions. Petitioner has documented that each of these units has a history of regularly complying with the particulate matter standard applicable to them.

IT IS ORDERED that the present petition is GRANTED. Under the terms of Rule 17-2.600(5)(b)1, Petitioner may reduce the frequency of particulate testing to an annual basis for each of the units named in this Order. If, however, any of the units fails to comply with the applicable particulate or visible emission standard, this Order will terminate upon written notice by the Department.

The Petitioner may request a hearing in accordance with Section 120.57, Florida Statutes, and Florida Administrative Code Chapters 17-1 and 28-5. The request for hearing must be filed (received) in the Office of General Counsel of the Department, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within (14) days of receipt of this Order. Failure to file a request for hearing within this time shall constitute a waiver of Petitioner's right to request a hearing under Section 120.57, Florida Statutes.

DONE and ORDERED this 24 day of April, 1984.

FILING AND ACKNOWLEDGEMENT
FILED on this date pursuant to §120.52 (9),
Florida Statutes, with the designated Depart-
ment Clerk, receipt of which is hereby acknow-
ledged.

John J. Jones
Clerk

4. 24. 84
Date

Victoria J. Tschinkel
VICTORIA J. TSCHINKEL
Secretary

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION
2600 Blair Stone Road
Tallahassee, Florida 32301
(904)486-4805

APPENDIX O

ORDER GRANTING PETITION FOR REDUCED FREQUENCY OF PARTICULATE TESTING

00095

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, Hopding Boyd Green and Sams, Post Office Box 6526,
Tallahassee, Florida 32311 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

APPENDIX RR
FACILITY-WIDE REPORTING REQUIREMENTS

RR1. Reporting Schedule. This table summarizes information for convenience purposes only. It does not supersede any of the terms or conditions of this permit.

Report	Reporting Deadline(s)	Related Condition(s)
Plant Problems/Permit Deviations	Immediately upon occurrence (See RR2.d.)	RR2, RR3
Semi-Annual Monitoring Report	Every 6 months	RR4
Annual Operating Report	April 1	RR5
Annual Emissions Fee Form and Fee	March 1	RR6
Annual Statement of Compliance	Within 60 days after the end of each calendar year (or more frequently if specified by Rule 62-213.440(2), F.A.C., or by any other applicable requirement); and Within 60 days after submittal of a written agreement for transfer of responsibility, or Within 60 days after permanent shutdown.	RR7
Notification of Administrative Permit Corrections	As needed	RR8
Notification of Startup after Shutdown for More than One Year	Minimum of 60 days prior to the intended startup date or, if emergency startup, as soon as possible after the startup date is ascertained	RR9
Permit Renewal Application	225 days prior to the expiration date of permit	TV17
Test Reports	Maximum 45 days following compliance tests	TR8

{Permitting Note: See permit Section III. Emissions Units and Specific Conditions, for any additional Emission Unit-specific reporting requirements.}

RR2. Reports of Problems.

- a. Plant Operation-Problems. If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
- b. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (1) A description of and cause of noncompliance; and
 - (2) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
- c. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX RR
FACILITY-WIDE REPORTING REQUIREMENTS

- d. "Immediately" shall mean the same day, if during a workday (i.e., 8:00 a.m. - 5:00 p.m.), or the first business day after the incident, excluding weekends and holidays; and, for purposes of Rule 62-4.160(15) and 40 CFR 70.6(a)(3)(iii)(B), "promptly" or "prompt" shall have the same meaning as "immediately". [Rule 62-4.130, Rule 62-4.160(8), Rule 62-4.160(15), and Rule 62-213.440(1)(b), F.A.C.; 40 CFR 70.6(a)(3)(iii)(B)]

RR3. Reports of Deviations from Permit Requirements. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), F.A.C. (below), and Rule 62-4.130, F.A.C. (condition RR2.), deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken.
Rule 62-210.700(6): In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. (See condition RR2.). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rules 62-213.440(1)(b)3.b., and 62-210.700(6)F.A.C.]

RR4. Semi-Annual Monitoring Reports. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. [Rule 62-213.440(1)(b)3.a., F.A.C.]

RR5. Annual Operating Report.

- a. The permittee shall submit to the Compliance Authority, each calendar year, on or before April 1, a completed DEP Form No 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year.
- b. Emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C.
[Rules 62-210.370(2) & (3), and 62-213.440(3)2., F.A.C.]

RR6. Annual Emissions Fee Form and Fee. Each Title V source permitted to operate in Florida must pay between January 15 and March 1 of each year, an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C.

- a. If the Department has not received the fee by February 15 of the year following the calendar year for which the fee is calculated, the Department will send the primary responsible official of the Title V source a written warning of the consequences for failing to pay the fee by March 1. If the fee is not postmarked by March 1 of the year due, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee unpaid plus interest on such amount computed in accordance with Section 220.807, F.S. If the Department determines that a submitted fee was inaccurately calculated, the Department shall either refund to the permittee any amount overpaid or notify the permittee of any amount underpaid. The Department shall not impose a penalty or interest on any amount underpaid, provided that the permittee has timely remitted payment of at least 90 percent of the amount determined to be due and remits full payment within 60 days after receipt of notice of the amount underpaid. The Department shall waive the collection of underpayment and shall not refund overpayment of the fee, if the amount is less than 1 percent of the fee due, up to \$50.00. The Department shall make every effort to provide a timely assessment of the adequacy of the submitted fee. Failure to pay timely any required annual emissions fee, penalty, or interest constitutes grounds for permit revocation pursuant to Rule 62-4.100, F.A.C.
- b. Any documentation of actual hours of operation, actual material or heat input, actual production amount, or actual emissions used to calculate the annual emissions fee shall be retained by the owner for a minimum of five (5) years and shall be made available to the Department upon request.
- c. A completed DEP Form 62-213.900(1), "Major Air Pollution Source Annual Emissions Fee Form", must be submitted by a responsible official with the annual emissions fee.

[Rules 62-213.205(1), (1)(g), (1)(i) & (1)(j), F.A.C.]

RR7. Annual Statement of Compliance.

APPENDIX RR
FACILITY-WIDE REPORTING REQUIREMENTS

- a. The permittee shall submit a Statement of Compliance with all terms and conditions of the permit that includes all the provisions of 40 CFR 70.6(c)(5)(iii), incorporated by reference at Rule 62-204.800, F.A.C., using DEP Form No. 62-213.900(7). Such statement shall be accompanied by a certification in accordance with Rule 62-213.420(4), F.A.C., for Title V requirements and with Rule 62-214.350, F.A.C., for Acid Rain requirements. Such statements shall be submitted (postmarked) to the Department and EPA:
 - (1) Annually, within 60 days after the end of each calendar year during which the Title V permit was effective, or more frequently if specified by Rule 62-213.440(2), F.A.C., or by any other applicable requirement; and
 - (2) Within 60 days after submittal of a written agreement for transfer of responsibility as required pursuant to 40 CFR 70.7(d)(1)(iv), adopted and incorporated by reference at Rule 62-204.800, F.A.C., or within 60 days after permanent shutdown of a facility permitted under Chapter 62-213, F.A.C.; provided that, in either such case, the reporting period shall be the portion of the calendar year the permit was effective up to the date of transfer of responsibility or permanent facility shutdown, as applicable.
- b. In lieu of individually identifying all applicable requirements and specifying times of compliance with, non-compliance with, and deviation from each, the responsible official may use DEP Form No. 62-213.900(7) as such statement of compliance so long as the responsible official identifies all reportable deviations from and all instances of non-compliance with any applicable requirements and includes all information required by the federal regulation relating to each reportable deviation and instance of non-compliance.
- c. The responsible official may treat compliance with all other applicable requirements as a surrogate for compliance with Rule 62-296.320(2), Objectionable Odor Prohibited.
[Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

RR8. Notification of Administrative Permit Corrections.

- a. A facility owner shall notify the Department by letter of minor corrections to information contained in a permit. Such notifications shall include:
 - (1) Typographical errors noted in the permit;
 - (2) Name, address or phone number change from that in the permit;
 - (3) A change requiring more frequent monitoring or reporting by the permittee;
 - (4) A change in ownership or operational control of a facility, subject to the following provisions:
 - (a) The Department determines that no other change in the permit is necessary;
 - (b) The permittee and proposed new permittee have submitted an Application for Transfer of Air Permit, and the Department has approved the transfer pursuant to Rule 62-210.300(7), F.A.C.; and
 - (c) The new permittee has notified the Department of the effective date of sale or legal transfer.
 - (5) Changes listed at 40 CFR 72.83(a)(1), (2), (6), (9) and (10), adopted and incorporated by reference at Rule 62-204.800, F.A.C., and changes made pursuant to Rules 62-214.340(1) and (2), F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o;
 - (6) Changes listed at 40 CFR 72.83(a)(11) and (12), adopted and incorporated by reference at Rule 62-204.800, F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o, provided the notification is accompanied by a copy of any EPA determination concerning the similarity of the change to those listed at Rule 62-210.360(1)(e), F.A.C.; and
 - (7) Any other similar minor administrative change at the source.
- b. Upon receipt of any such notification, the Department shall within 60 days correct the permit and provide a corrected copy to the owner.
- c. After first notifying the owner, the Department shall correct any permit in which it discovers errors of the types listed at Rules 62-210.360(1)(a) and (b), F.A.C., and provide a corrected copy to the owner.

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APPENDIX RR

FACILITY-WIDE REPORTING REQUIREMENTS

- d. For Title V source permits, other than general permits, a copy of the corrected permit shall be provided to EPA and any approved local air program in the county where the facility or any part of the facility is located.

[Rule 62-210.360, F.A.C.]

RR9. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.

- a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
- b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.

[Rule 62-210.300(5), F.A.C.]

RR10. Report Submission. The permittee shall submit all compliance related notifications and reports required of this permit to the Compliance Authority. {See front of permit for address and phone number.}

RR11. EPA Report Submission. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to: Air, Pesticides & Toxics Management Division, United States Environmental Protection Agency, Region 4, Sam Nunn Atlanta Federal Center, 61 Forsyth Street SW, Atlanta, GA 30303-8960. Phone: 404/562-9077.

RR12. Acid Rain Report Submission. Acid Rain Program Information shall be submitted, as necessary, to: Department of Environmental Protection, 2600 Blair Stone Road, Mail Station #5510, Tallahassee, Florida 32399-2400. Phone: 850/488-6140. Fax: 850/922-6979.

RR13. Report Certification. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), F.A.C. [Rule 62-213.440(1)(b)3.c, F.A.C.]

RR14. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information. [Rule 62-213.420(4), F.A.C.]

RR15. Confidential Information. Whenever an applicant submits information under a claim of confidentiality pursuant to Section 403.111, F.S., the applicant shall also submit a copy of all such information and claim directly to EPA. Any permittee may claim confidentiality of any data or other information by complying with this procedure. [Rules 62-213.420(2), and 62-213.440(1)(d)6., F.A.C.]

RR16. Forms and Instructions. The forms used by the Department in the Title V source operation program are adopted and incorporated by reference in Rule 62-213.900, F.A.C. The forms are listed by rule number, which is also the form number, and with the subject, title, and effective date. Copies of forms may be obtained by writing to the Department of Environmental Protection, Division of Air Resource Management, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, by contacting the appropriate permitting authority or by accessing the Department's web site at:
<http://www.dep.state.fl.us/air/rules/forms.htm>.

- a. Major Air Pollution Source Annual Emissions Fee Form (Effective 01/03/2001).
- b. Statement of Compliance Form (Effective 06/02/2002).
- c. Responsible Official Notification Form (Effective 06/02/2002).

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[Rule 62-213.900, F.A.C.: Forms (1), (7) and (8)]

APPENDIX TR
FACILITY-WIDE TESTING REQUIREMENTS

Unless otherwise specified in the permit, the following testing requirements apply to each emissions unit for which testing is required. The terms “stack” and “duct” are used interchangeably in this appendix.

- TR1.** 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 two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]
- TR2.** Operating Rate During Testing. Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
- TR3.** Calculation of Emission Rate. For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
- TR4.** 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) For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
- (b) The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
- (c) The minimum observation period for opacity tests conducted by employees or agents of the

APPENDIX TR
FACILITY-WIDE TESTING REQUIREMENTS

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 or test method, 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, F.A.C.

TABLE 297.310-1 CALIBRATION SCHEDULE			
ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass	5° F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5° F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/- 0.001" mean of at least three readings; Max. deviation between readings, 0.004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, when 5% change observed, annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually		
	3. Check after each test series	Comparison check	5%

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

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FACILITY-WIDE TESTING REQUIREMENTS

TR5. 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.]

TR6. Sampling Facilities. The permittee shall install permanent stack sampling ports and provide sampling facilities that meet the requirements of Rule 62-297.310(6), F.A.C. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must also comply with all applicable Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

- a. *Permanent Test Facilities.* The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.
- b. *Temporary Test Facilities.* The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.
- c. *Sampling Ports.*
 - (1) All sampling ports shall have a minimum inside diameter of 3 inches.
 - (2) The ports shall be capable of being sealed when not in use.
 - (3) The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.
 - (4) For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.
 - (5) On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.
- d. *Work Platforms.*
 - (1) Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.
 - (2) On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.
 - (3) On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.

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FACILITY-WIDE TESTING REQUIREMENTS

- (4) All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toe board, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.
- e. *Access to Work Platform.*
 - (1) Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.
 - (2) Walkways over free-fall areas shall be equipped with safety rails and toe boards.
- f. *Electrical Power.*
 - (1) A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.
 - (2) If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.
- g. *Sampling Equipment Support.*
 - (1) A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.
 - (a) The bracket shall be a standard 3 inch × 3 inch × one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.
 - (b) A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.
 - (c) The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.
 - (2) A complete monorail or dual rail arrangement may be substituted for the eyebolt and bracket.
 - (3) When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

[Rule 62-297.310(6), F.A.C.]

TR7. 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 shall 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. [Rule 62-297.310(7)(b), F.A.C.]

TR8. 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 paragraph 62-297.310(7)(b), F.A.C., shall apply.

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

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FACILITY-WIDE TESTING REQUIREMENTS

TR9. 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 on the results of each such test.
- b. The required test report shall be filed with the Department 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 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.

[Rule 62-297.310(8), F.A.C.]

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Operation

- TV1. General Prohibition.** A permitted installation may only be operated, maintained, constructed, expanded or modified in a manner that is consistent with the terms of the permit. [Rule 62-4.030, Florida Administrative Code (F.A.C.)]
- TV2. Validity.** This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department. [Rule 62-4.160(2), F.A.C.]
- TV3. Proper Operation and Maintenance.** The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules. [Rule 62-4.160(6), F.A.C.]
- TV4. Not Federally Enforceable. Health, Safety and Welfare.** To ensure protection of public health, safety, and welfare, any construction, modification, or operation of an installation which may be a source of pollution, shall be in accordance with sound professional engineering practices pursuant to Chapter 471, F.S. [Rule 62-4.050(3), F.A.C.]
- TV5. Continued Operation.** An applicant making timely and complete application for permit, or for permit renewal, shall continue to operate the source under the authority and provisions of any existing valid permit or Florida Electrical Power Plant Siting Certification, and in accordance with applicable requirements of the Acid Rain Program, applicable requirements of the CAIR Program, and applicable requirements of the Hg Budget Trading Program, until the conclusion of proceedings associated with its permit application or until the new permit becomes effective, whichever is later, provided the applicant complies with all the provisions of subparagraphs 62-213.420(1)(b)3., F.A.C. [Rules 62-213.420(1)(b)2., F.A.C.]
- TV6. Changes Without Permit Revision.** Title V sources having a valid permit issued pursuant to Chapter 62-213, F.A.C., may make the following changes without permit revision, provided that sources shall maintain source logs or records to verify periods of operation:
- Permitted sources may change among those alternative methods of operation;
 - A permitted source may implement operating changes, as defined in Rule 62-210.200, F.A.C., after the source submits any forms required by any applicable requirement and provides the Department and EPA with at least 7 days written notice prior to implementation. The source and the Department shall attach each notice to the relevant permit;
 - The written notice shall include the date on which the change will occur, and a description of the change within the permitted source, the pollutants emitted and any change in emissions, and any term or condition becoming applicable or no longer applicable as a result of the change;
 - The permit shield described in Rule 62-213.460, F.A.C., shall not apply to such changes;
 - Permitted sources may implement changes involving modes of operation only in accordance with Rule 62-213.415, F.A.C.
- [Rule 62-213.410, F.A.C.]
- TV7. Circumvention.** No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]

Compliance

- TV8. Compliance with Chapter 403, F.S., and Department Rules.** Except as provided at Rule 62-213.460, Permit Shield, F.A.C., the issuance of a permit does not relieve any person from complying with the requirements of Chapter 403, F.S., or Department rules. [Rule 62-4.070(7), F.A.C.]
- TV9. Compliance with Federal, State and Local Rules.** Except as provided at Rule 62-213.460, F.A.C., issuance of a permit does not relieve the owner or operator of a facility or an emissions unit from complying

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with any applicable requirements, any emission limiting standards or other requirements of the air pollution rules of the Department or any other such requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

TV10. Binding and enforceable. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions. [Rule 62-4.160(1), F.A.C.]

TV11. Timely information. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly. [Rule 62-4.160(15), F.A.C.]

TV12. Halting or reduction of source activity. It shall not be a defense for a permittee in an enforcement action that maintaining compliance with any permit condition would necessitate halting of or reduction of the source activity. [Rule 62-213.440(1)(d)3., F.A.C.]

TV13. Final permit action. Any Title V source shall comply with all the terms and conditions of the existing permit until the Department has taken final action on any permit renewal or any requested permit revision, except as provided at Rule 62-213.412(2), F.A.C. [Rule 62-213.440(1)(d)4., F.A.C.]

TV14. Sudden and unforeseeable events beyond the control of the source. A situation arising from sudden and unforeseeable events beyond the control of the source which causes an exceedance of a technology-based emissions limitation because of unavoidable increases in emissions attributable to the situation and which requires immediate corrective action to restore normal operation, shall be an affirmative defense to an enforcement action in accordance with the provisions and requirements of 40 CFR 70.6(g)(2) and (3), hereby adopted and incorporated by reference. [Rule 62-213.440(1)(d)5., F.A.C.]

TV15. Permit Shield. Except as provided in Chapter 62-213, F.A.C., compliance with the terms and conditions of a permit issued pursuant to Chapter 62-213, F.A.C., shall, as of the effective date of the permit, be deemed compliance with any applicable requirements in effect, provided that the source included such applicable requirements in the permit application. Nothing in this condition or in any permit shall alter or affect the ability of EPA or the Department to deal with an emergency, the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance, or the requirements of the Federal Acid Rain Program, the CAIR Program. [Rule 62-213.460, F.A.C.]

Permit Procedures

TV16. Permit Revision Procedures. The permittee shall revise its permit as required by Rules 62-213.400, 62-213.412, 62-213.420, 62-213.430 & 62-4.080, F.A.C.; and, in addition, the Department shall revise permits as provided in Rule 62-4.080, F.A.C. & 40 CFR 70.7(f).

TV17. Permit Renewal. The permittee shall renew its permit as required by Rules 62-4.090, 62-213.420(1) and 62-213.430(3), F.A.C. Permits being renewed are subject to the same requirements that apply to permit issuance at the time of application for renewal. Permit renewal applications shall contain that information identified in Rules 62-210.900(1) [Application for Air Permit - Long Form], 62-213.420(3) [Required Information], 62-213.420(6) [CAIR Part Form], F.A.C. Unless a Title V source submits a timely and complete application for permit renewal in accordance with the requirements this rule, the existing permit shall expire and the source's right to operate shall terminate. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009. No Title V permit will be issued for a new term except through the renewal process. [Rules 62-213.420 & 62-213.430, F.A.C.]

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- TV18. Insignificant Emissions Units or Pollutant-Emitting Activities.** The permittee shall identify and evaluate insignificant emissions units and activities as set forth in Rule 62-213.430(6), F.A.C.
- TV19. Savings Clause.** If any portion of the final permit is invalidated, the remainder of the permit shall remain in effect. [Rule 62-213.440(1)(d)1., F.A.C.]
- TV20. Suspension and Revocation.**
- a. Permits shall be effective until suspended, revoked, surrendered, or expired and shall be subject to the provisions of Chapter 403, F.S., and rules of the Department.
 - b. Failure to comply with pollution control laws and rules shall be grounds for suspension or revocation.
 - c. A permit issued pursuant to Chapter 62-4, F.A.C., shall not become a vested property right in the permittee. The Department may revoke any permit issued by it if it finds that the permit holder or his agent:
 - (1) Submitted false or inaccurate information in his application or operational reports.
 - (2) Has violated law, Department orders, rules or permit conditions.
 - (3) Has failed to submit operational reports or other information required by Department rules.
 - (4) Has refused lawful inspection under Section 403.091, F.S.
 - d. No revocation shall become effective except after notice is served by personal services, certified mail, or newspaper notice pursuant to Section 120.60(7), F.S., upon the person or persons named therein and a hearing held if requested within the time specified in the notice. The notice shall specify the provision of the law, or rule alleged to be violated, or the permit condition or Department order alleged to be violated, and the facts alleged to constitute a violation thereof.
[Rule 62-4.100, F.A.C.]
- TV21. Not federally enforceable. Financial Responsibility.** The Department may require an applicant to submit proof of financial responsibility and may require the applicant to post an appropriate bond to guarantee compliance with the law and Department rules. [Rule 62-4.110, F.A.C.]
- TV22. Emissions Unit Reclassification.**
- a. Any emissions unit whose operation permit has been revoked as provided for in Chapter 62-4, F.A.C., shall be deemed permanently shut down for purposes of Rule 62-212.500, F.A.C. Any emissions unit whose permit to operate has expired without timely renewal or transfer may be deemed permanently shut down, provided, however, that no such emissions unit shall be deemed permanently shut down if, within 20 days after receipt of written notice from the Department, the emissions unit owner or operator demonstrates that the permit expiration resulted from inadvertent failure to comply with the requirements of Rule 62-4.090, F.A.C., and that the owner or operator intends to continue the emissions unit in operation, and either submits an application for an air operation permit or complies with permit transfer requirements, if applicable.
 - b. If the owner or operator of an emissions unit which is so permanently shut down, applies to the Department for a permit to reactivate or operate such emissions unit, the emissions unit will be reviewed and permitted as a new emissions unit.
[Rule 62-210.300(6), F.A.C.]
- TV23. Transfer of Permits.** Per Rule 62-4.160(11), F.A.C., this permit is transferable only upon Department approval in accordance with Rule 62-4.120, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations occurring prior to the sale or legal transfer of the facility. The permittee shall also comply with the requirements of Rule 62-210.300(7), F.A.C., and use DEP Form No. 62-210.900(7). [Rules 62-4.160(11), 62-4.120, and 62-210.300(7), F.A.C.]

Rights, Title, Liability, and Agreements

- TV24. Rights.** As provided in Subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

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This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit. [Rule 62-4.160(3), F.A.C.]

TV25. Title. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [Rule 62-4.160(4), (F.A.C.)]

TV26. Liability. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department. [Rule 62-4.160(5), F.A.C.]

TV27. Agreements.

- a. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (1) Have access to and copy any records that must be kept under conditions of the permit;
 - (2) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and,
 - (3) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
- b. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- c. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

[Rules 62-4.160(7), (9), and (10), F.A.C.]

Recordkeeping and Emissions Computation

TV28. Permit. The permittee shall keep this permit or a copy thereof at the work site of the permitted activity. [Rule 62-4.160(12), F.A.C.]

TV29. Recordkeeping.

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least five (5) years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements, and the operating conditions at the time of sampling or measurement;
 - (2) The person responsible for performing the sampling or measurements;
 - (3) The dates analyses were performed;
 - (4) The person and company that performed the analyses;
 - (5) The analytical techniques or methods used;

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(6) The results of such analyses.

[Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]

TV30. Emissions Computation. Pursuant to Rule 62-210.370, F.A.C., the following required methodologies are to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with Rule 62-210.370, F.A.C. Rule 62-210.370, F.A.C., is not intended to establish methodologies for determining compliance with the emission limitations of any air permit.

For any of the purposes specified above, the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

- a. Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.
 - (1) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
 - (2) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
 - (3) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- b. Continuous Emissions Monitoring System (CEMS).
 - (1) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
 - (a) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or,
 - (b) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
 - (2) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
 - (a) A calibrated flowmeter that records data on a continuous basis, if available; or
 - (b) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
 - (3) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- c. Mass Balance Calculations.

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- (1) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
 - (a) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and,
 - (b) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
 - (2) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
 - (3) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- d. Emission Factors.
- (1) An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
 - (a) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
 - (b) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.
 - (c) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
 - (2) If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- e. Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
- f. Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- g. Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.

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- h. Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(1) & (2), F.A.C.]

Responsible Official

TV31. Designation and Update. The permittee shall designate and update a responsible official as required by Rule 62-213.202, F.A.C.

Prohibitions and Restrictions

TV32. Asbestos. This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source. [40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

TV33. Refrigerant Requirements. Any facility having refrigeration equipment, including air conditioning equipment, which uses a Class I or II substance (listed at 40 CFR 82, Subpart A, Appendices A and B), and any facility which maintains, services, or repairs motor vehicles using a Class I or Class II substance as refrigerant must comply with all requirements of 40 CFR 82, Subparts B and F, and with Chapter 62-281, F.A.C.

TV34. Open Burning Prohibited. Unless otherwise authorized by Rule 62-296.320(3) or Chapter 62-256, F.A.C., open burning is prohibited.

APPENDIX U

LIST OF UNREGULATED EMISSIONS UNITS AND/OR ACTIVITIES

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

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

E.U. ID No.	Brief Description of Emissions Units and/or Activity
017	Above ground fuel oil storage tanks
018	Miscellaneous internal combustion engines and portable equipment

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Table H, Permit History.

Table 1, Summary of Air Pollutant Standards.

Table 2, Summary of Compliance Requirements.

TABLE H**Permit History**

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date
001	Fossil Fuel Steam Generator #1	AO 06-223345	04/21/93	02/28/98
002	Fossil Fuel Steam Generator #2	AO 06-223350	04/21/93	02/15/98
003	Fossil Fuel Steam Generator #3	AO 06-223351	04/21/93	02/15/98
004	Fossil Fuel Steam Generator #4	AO 06-223352	04/21/93	02/15/98
005	Gas Turbine Generator #1 - 12	AO 06-230618	06/16/93	06/04/98
001 002 003 004 005	As noted above.	0110036-001-AV (Initial Title V Permit) 0110036-002-AV (Administrative Correction) 0110036-003-AV (Title V Revision)	01/01/99 02/26/01	12/31/03 12/31/03 12/31/03
001 002 003 004	As noted above.	0110036-005-AC	07/14/03	04/01/07
001 002 003 004 005	As noted above.	0110036-006-AV (Title V Renewal)	1/1/04	12/31/08
001 002 003 004 005	As noted above.	0110036-007-AV (Title V Renewal)	1/1/09	12/31/13
001 002 003 004 005	As noted above.	0110036-008-AV (CAIR Revision)	3/26/09	12/31/13

ID Number Changes (for tracking purposes):From: **Facility ID No.:** 50BRO060036To: **Facility ID No.:** 0110036Florida Power and Light Company
Port Everglades PlantPermit No. 0110036-009-AV
Title V Air Operation Permit Revision

TABLE 1, SUMMARY OF AIR POLLUTANT EMISSIONS STANDARDS

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

Emissions Unit		Brief Description							
001		Fossil Fuel Steam Generator, Unit 1							
002		Fossil Fuel Steam Generator, Unit 2							
			Allowable Emissions			Equivalent Emissions ^{1,2}			
Pollutant	Fuel(s)	Hours per Year	Standard(s)	lb/hour	TPY	lb/hour	TPY	Regulatory Citations	See Permit Condition(s)
VE Steady State	Oil, Natural Gas or Propane	8760	20% opacity					Rule 62-296.405(1)(a), F.A.C.	A.5.
VE Soot Blowing or Load Change	Oil, Natural Gas or Propane	8760	40 % opacity (>40% opacity for not more than 4, six-minute periods)					Rule 62-210.700(3), F.A.C.	A.6.
PM Steady State	Oil, Natural Gas or Propane	8760	0.03 lb/mmBtu			69		Rule 62-296.405(1)(b), F.A.C.	A.7.
PM Soot Blowing or Load Change	Oil, Natural Gas or Propane	8760	0.1 lb/mmBtu			230		Rule 62-210.700(3), F.A.C.	A.8.

TABLE 1, SUMMARY OF AIR POLLUTANT EMISSIONS STANDARDS

Emissions Unit	Brief Description
001	Fossil Fuel Steam Generator, Unit 1
002	Fossil Fuel Steam Generator, Unit 2

Pollutant	Fuel(s)	Hours per Year	Allowable Emissions			Equivalent Emissions ^{1,2}		Regulatory Citations	See Permit Condition(s)
			Standard(s)	lb/hour	TPY	lb/hour	TPY		
SO₂	Oil, Natural Gas	8760	2.75 lb/mmBtu			6325*	27704*	Rule 62-296.405(1)(c)1.j., F.A.C.	A.9.
NO_x	Oil	8760	0.36 lb/mmBtu			828	3626.6	Rule 62-296.570(4)(b)1, F.A.C.	A.10.
NO_x	Natural Gas	8760	0.20 lb/mmBtu			480	2102.4	Rule 62-296.570(4)(b)1, F.A.C.	A.10.

TABLE 1, SUMMARY OF AIR POLLUTANT EMISSIONS STANDARDS

Emissions Unit	Brief Description
003	Fossil Fuel Steam Generator, Unit 3
004	Fossil Fuel Steam Generator, Unit 4

Pollutant	Fuel(s)	Hours per Year	Allowable Emissions			Equivalent Emissions ^{1,2}		Regulatory Citations	See Permit Condition(s)
			Standard(s)	lb/hour	TPY	lb/hour	TPY		
VE Steady State	Oil, Natural Gas or Propane	8760	20% opacity					Rule 62-296.405(1)(a), F.A.C.	B.5.
VE Soot Blowing or Load Change	Oil, Natural Gas or Propane	8760	40 % opacity (>40% opacity for not more than 4, six-minute periods)					Rule 62-210.700(3), F.A.C.	B.6.
PM Steady State	Oil, Natural Gas or Propane	8760	0.03 lb/mmBtu			120		Rule 62-296.405(1)(b), F.A.C.	B.7.
PM Soot Blowing or Load Change	Oil, Natural Gas or Propane	8760	0.1 lb/mmBtu			400		Rule 62-210.700(3), F.A.C.	B.8.

TABLE 1, SUMMARY OF AIR POLLUTANT EMISSIONS STANDARDS

Emissions Unit	Brief Description
003	Fossil Fuel Steam Generator, Unit 3
004	Fossil Fuel Steam Generator, Unit 4

			Allowable Emissions			Equivalent Emissions ^{1,2}		Regulatory Citations	See Permit Condition(s)
Pollutant	Fuel(s)	Hours per Year	Standard(s)	lb/hour	TPY	lb/hour	TPY		
SO₂	Oil, Natural Gas	8760	2.75 lb/mmBtu			11000*	48180*	Rule 62-296.405(1)(c)1.j., F.A.C.	B.9.
NO_x	Oil	8760	0.53 lb/mmBtu			2120	9285.6	Rules 62-296.570(4)(b)2, F.A.C.	B.10.
NO_x	Natural Gas	8760	0.40 lb/mmBtu			1672	7323.4	Rule 62-296.570(4)(b)2, F.A.C.	B.10.

TABLE 1, SUMMARY OF AIR POLLUTANT EMISSIONS STANDARDS

Emissions Unit	Brief Description
005	12 Simple Cycle Gas Turbines, GT1 through GT12.

Pollutant	Fuel(s)	Hours per Year	Allowable Emissions			Equivalent Emissions ^{1,3}		Regulatory Citations	See Permit Condition(s)
			Standard(s)	lb/hour	TPY	lb/hour	TPY		
VE Steady State	Oil, Natural Gas or Propane	8760	20% opacity					Rule 62-296.320(4)(b)1., F.A.C.	C.5.
NO_x	Oil	8760	0.90 lb/mmBtu			7581.6	33207	Rule 62-296.570(4)(b)2, F.A.C.	C.7.
NO_x	Natural Gas	8760	0.50 lb/mmBtu			4212	18449	Rule 62-296.570(4)(b)5, F.A.C.	C.7.

Notes:

¹ The "Equivalent Emissions" listed are for informational purposes only.

² The "Equivalent Emissions" are for each emission unit, unless otherwise noted.

³ The "Equivalent Emissions" are for all twelve turbines combined.

*Lb/hr and TPY values are for SO₂ emissions using fuel oil.

TABLE 2, SUMMARY OF COMPLIANCE REQUIREMENTS

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

Emissions Unit	Brief Description
001	Fossil Fuel Steam Generator, Unit 1
002	Fossil Fuel Steam Generator, Unit 2

Pollutant or Parameter	Fuel(s)	Compliance Method	Testing Frequency	Frequency Base Date ¹	Minimum Compliance Test Duration	CMS ²	See Permit Condition(s)
VE	Oil, Natural Gas or Propane	DEP Method 9	Annual	September 30	1 hour	No	A.15., A.16.
PM	Oil, Natural Gas or Propane	EPA Test Methods 5, 5B, or 17	Annual	September 30	3 hours	No	A.15., A.17., A.21.
SO₂	Oil, Natural Gas or Propane	Continuous Emissions Monitor	Continuous			Yes	A.17., A.23.
NO_x	Oil, Natural Gas or Propane	Continuous Emissions Monitor	Continuous			Yes	A.17.

TABLE 2, SUMMARY OF COMPLIANCE REQUIREMENTS

Emissions Unit	Brief Description
003	Fossil Fuel Steam Generator, Unit 3
004	Fossil Fuel Steam Generator, Unit 4

Pollutant or Parameter	Fuel(s)	Compliance Method	Testing Frequency	Frequency Base Date ¹	Minimum Compliance Test Duration	CMS ²	See Permit Condition(s)
VE	Oil, Natural Gas or Propane	DEP Method 9	Annual	September 30	1 hour	No	B.15.
PM	Oil, Natural Gas or Propane	EPA Test Methods 5, 5B, or 17	Annual	September 30	3 hours	No	B.15, B.17.
SO₂	Oil, Natural Gas or Propane	Continuous Emissions Monitor	Continuous			Yes	B.18.
NO_x	Oil, Natural Gas or Propane	Continuous Emissions Monitor	Continuous			Yes	B.15.

TABLE 2, SUMMARY OF COMPLIANCE REQUIREMENTS

Emissions Unit		Brief Description					
005		12 Simple Cycle Gas Turbines, GT1 through GT12.					

Pollutant or Parameter	Fuel(s)	Compliance Method	Testing Frequency	Frequency Base Date ¹	Minimum Compliance Test Duration	CMS ²	See Permit Condition(s)
VE	Oil, Natural Gas	EPA Method 9	Annual, each turbine exceeding fuel limit.	October 31	30 min.	No	C.9., C.10.
NO_x	Oil, Natural Gas	EPA Method 20 or EPA Method 7E	Every five years, one turbine only, provided operation is no more than 320 hours/year/turbine on oil.	September 30	3 hours	No	C.9., C.11.

Notes:

¹ Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.

² CMS = continuous monitoring system

APPENDIX 10.6.2

**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

MANATEE PROTECTION PLAN



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

In the matter of:

Approval of FPL Port Everglades Plant
Manatee Protection Plan

DEP Permit No. FL0001538
Broward County

Mr. Ron Hix
Florida Power & Light Company
P.O. Box 088801
North Palm Beach, FL 33408-08801

NOTICE OF AGENCY ACTION

The Department of Environmental Protection hereby gives notice of its approval of the enclosed Manatee Protection Plan for the FPL Port Everglades Plant, completed July 12, 1999 pursuant to Specific Condition 20 of Permit Number FL0001538.

A person whose substantial interests are affected by the Department action 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 Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within twenty-one days of receipt of this notice of intent. Petitions filed by any other person must be filed within twenty-one days of publication of the public notice or within twenty-one days of receipt of this notice of intent, whichever occurs first. 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 discretion 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 Department case identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department 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.

Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order 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, Office of General Counsel, Mail Station 35, 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 when the final order is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mimi Drew
Director
Division of Water Resource Management

2600 Blair Stone Road
Tallahassee, FL 32399-2400
(850) 487-1855

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF AGENCY ACTION and all copies were mailed before the close of business on 08-18-99 to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

G. Shields 08-18-99
(Clerk) (Date)

Copies furnished to:

Tim Powell, DEP Southeast District
Kipp Frohlich, FWC Tallahassee
Jennifer Fitzwater, DEP Office of General Counsel
Scott Cowan, Chairman, Board of Broward County Commissioners
Jim Valade, U.S. Fish and Wildlife Service
Save the Manatee Club



Florida Fish and Wildlife Conservation Commission

James L. "Jamie" Adams, Jr. Bushnell	Barbara C. Barsh Jacksonville	Patrick E. Geraghty Ft. Myers	Quinton L. Hedgepeth, DDS Miami	H.A. "Herky" Huffman Deltona
Thomas B. Kilber Lakeland	David K. Meehan St. Petersburg	Julie K. Morris Sarasota	Tony Moss Miami	Edwin P. Roberts, DC Pensacola
				John D. Rood Jacksonville

LLAN L. EGBERT, Ph.D., Executive Director
ICTOR J. HELLER, Assistant Executive Director

620 South Meridian Street
Tallahassee, FL 32399-1600
www.state.fl.us/gfc
(850)487-3796
TDD (850)488-9542

July 13, 1999

Vince Seibold
Florida Department of Environmental Protection
Industrial Wastewater Section
Mail Station 3545
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RECEIVED

JUL 19 1999

Industrial Wastewater Section

Dear Vince;

I have attached the Manatee Protection Plan dated July 12, 1999 for Florida Power & Light's (FPL) Port Everglades' facility. The Bureau of Protected Species Management has reviewed the attached plan and with this letter acknowledges our acceptance of this plan as that required by permit condition 20, of the FPL-Port Everglades NPDES permit. I have provided the following chronological list recounting the submittal of Florida Power & Light-Port Everglades draft Manatee Protection Plans and our corresponding responses.

- | | |
|--------------------|---|
| May 11, 1998 | The Bureau of Protected Species Management receives a draft Manatee Protection Plan from Florida Power & Light's Port Everglades facility. |
| July 1, 1998 | The Bureau of Protected Species Management provides comments and recommended modifications to FPL- Port Everglades. |
| August 19, 1998 | FPL provides the Bureau of Protected Species Management a second draft of the FPL-Port Everglades Manatee Protection Plan. |
| September 16, 1998 | FPL resubmits the second draft of the FPL-Port Everglades Manatee Protection Plan. |
| November 12, 1998 | The Bureau of Protected Species Management provides recommendations to the second draft of the FPL-Port Everglades Manatee Protection Plan. |
| December 17, 1998 | FPL submits a final draft of the Port Everglades Manatee Protection Plan to the Bureau of Protected Species Management. |

V. Seibold
July 13, 1999
Page 2

February 23, 1999 The Bureau provides DEP's Industrial Wastewater Section with a copy of the final draft of the Manatee Management Plan for FPL-Port Everglades and asks what further information is required to complete the process.

March 3, 1999 DEP's Industrial Wastewater Section provides a protocol for the approval of Manatee Protection Plans.

May 28, 1999 The Bureau of Protected Species Management provides the U. S. Fish and Wildlife Service (USFWS) with a copy of the final draft of the FPL-Port Everglades Manatee Protection Plan for review and comment.

June 1, 1999 The USFWS provides several recommended modifications to the FPL-Port Everglades final draft plan.

June 3, 1999 The Bureau of Protected Species receives a carbon copy of the USFWS letter to the Department's Industrial Wastewater Section providing their concurrence to the attached Manatee Protection Plan for the FPL-Port Everglades facility.

July 12, 1999 The Bureau of Protected Species Management receives concurrence from FPL-Port Everglades on the attached Manatee Protection Plan dated July 12, 1999.

If you have any questions or need further information, please call me at suncom 292-4330.

Sincerely,

OFFICE OF ENVIRONMENTAL SERVICES



R. Kipp Frohlich
Biological Administrator
Bureau of Protected Species Management

\rrm

NPDES.099IWW-FPL-PtEverglades-ltr.713.doc

ENV 7-2

Attachment

cc: R. Hix
J. Valade

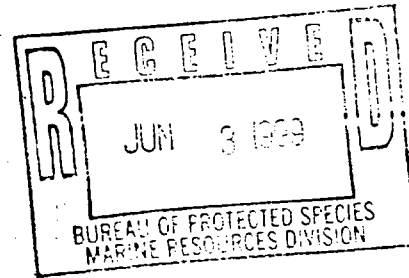


United States Department of the Interior

FISH AND WILDLIFE SERVICE
6620 Southpoint Drive South
Suite 310
Jacksonville, Florida 32216-0912

JUN 01 1999

Vince Seibold
Florida Department of Environmental Protection
Division of Water Facilities
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



Dear Mr. Seibold:

The Fish and Wildlife Service (Service) has reviewed manatee protection plans for the following facilities:

Florida Power and Light's Fort Myers Plant
(State Industrial Wastewater Permit Number FL0001490)

Florida Power and Light's Ft. Lauderdale Plant
(State Industrial Wastewater Permit Number FL0001503)

✓ Florida Power and Light's Port Everglades Plant
(State Industrial Wastewater Permit Number FL0001538)

The measures incorporated in these plans are consistent with the intent of the Florida Manatee Recovery Plan, which seeks to maintain safe and reliable warm water refuges for wintering manatees. The Service believes that the measures included in these plans will give manatees adequate protection during the periods specified in the permits at the respective power plants.

Thank you for the opportunity to review these plans.

Sincerely,

James A. Valade
Assistant Recovery Manatee Coordinator

cc: FDEP/BPSM - Ron Mezich
FWS Vero Beach Field Office - Jay Slack

Florida Power & Light - Port Everglades Manatee Protection Plan

Purpose:

The purpose of the Port Everglades Plant Manatee Protection Plan is to set forth Florida Power & Light Company's (FPL) procedures to comply with Specific Condition 20 of the facility's State Industrial Wastewater Permit Number FL0001538 that was issued on November 17, 1997. This Specific Condition reads, in part:

20. The permittee, in so far as required to comply with Tasks 25 and 251 of the U.S. Fish and Wildlife Service (USFWS) "Florida Manatee Recovery Plan," shall develop a plan and procedures addressing potential manatee impacts. ...All plans, if required, shall include an implementation schedule and address, at a minimum:
- (a) Plans to minimize disruption to warm-water outflows during the winter and response procedures in case of disruptions.
 - (b) Strategy to maintain discharge temperatures that will sustain manatees during cold events.
 - (c) Plan to monitor ambient and discharge temperatures.
 - (d) Precautions to minimize hazards to manatees at intake and outfall areas.
 - (e) Timely communication to manatee recovery program personnel of any long term changes in the availability of warm water.

Compliance with Specific Condition 20:

1. This Manatee Protection Plan will be in effect during the term of the permit. In order for the plant's warm water discharge to provide a safe, warm water refuge for the manatees and to comply with Specific Condition 20, FPL will take the following actions:
- a) In the case of an unplanned shutdown or plant failure that will affect the warm water refuge from November 15 through March 31, when the ambient water temperature is below 61°F, the Florida Wildlife Conservation Commission (FWCC) and USFWS will be notified no later than four (4) hours after the event has occurred. The following agency representatives shall be notified in the above referenced event or if any distressed manatees are observed at any time:

FWCC - Florida Marine Research Institute - Marine Mammal Pathobiology Lab: (813)-893-2904
USFWS - Jacksonville Field Office: (904) 232-2580

The FWCC, Bureau of Protected Species Management (BPSM) shall be provided a schedule of any anticipated in-water work within the discharge canal or work that will affect the warm water refuge during the period of November 15 through March 31 each year. No routine in-water maintenance work shall occur in the discharge canal from November 15 through March 31, unless it is considered essential by FPL and approved by BPSM prior to the start of work. If emergency in-water work is needed, the BPSM will be notified and consulted no later than two weeks following the commencement of the activity. All vessels used in the operation or associated with the activity shall be operated pursuant to the attached standard manatee construction conditions.

- b) From November 15 through March 31 each year, to coincide with the time of greatest manatee abundance, if the ambient water temperature falls below 61°F, the FPL Port Everglades plant shall endeavor to operate in a manner that maintains the water temperature in an adequate portion of the discharge canal at or above 68°F, until such time as the ambient water temperature reaches 61°F, unless otherwise authorized by BPSM and the USFWS, or unless safety or reliability of the plant would be compromised.
- c) The FPL Port Everglades power plant will provide personnel from the BPSM, USFWS, Florida Marine Research Institute, USGS-Sirenia Project, or a designee of these agencies, access to FPL Port Everglades power plant property to conduct manatee research and monitoring activities which may include, placing, maintaining and downloading data from temperature data loggers. (These temperature data loggers will be used to collect air and water temperature data in an ongoing research effort to better understand manatee behavior patterns in response to artificial warm water refugia and environmental variables. The temperature data loggers will be placed in the discharge canal and at ambient water and air locations). Access would be limited to normal business hours (8:00am - 5:00pm) unless arrangements are made in advance with the FPL Port Everglades power plant.
- d) Intake Area: The plant environmental specialist, or an alternate designee, will survey the intake canal, at a minimum, three times per week (year round) to determine the presence or absence of manatees. In addition, all plant personnel will be instructed to report to the environmental specialist (or designee) immediately upon the sighting of a manatee in the intake canal. If a manatee is sighted in the intake canal, the following action plan will be implemented:
1. Sightings will be logged. FPL will maintain a log of manatee sightings in the intake canal, which will include the following information:
 - Approximate date entered canal
 - Approximate date departed canal
 - Maximum days in canal
 - Description of animal(s)
 - Other appropriate comments
 2. The intake canal will be observed daily to determine the continued presence or absence of the manatee(s).
 3. If a manatee is present for seven consecutive days, or if any distressed (i.e.; injured, orphaned) manatees are observed at any time, the FWCC and USFWS should be notified at the aforementioned numbers. See condition "1.a)".
- Discharge Area: No special surveys will be required for the discharge canal.
- e) Should FPL decide to retire these units, notice will be provided to FWCC and USFWS as soon as practical after a definite decision is made or, if possible, at least five years prior to the date of retirement.
- f) To assist in documenting long-term use patterns of this facility, FPL should conduct periodic aerial surveys of manatees at the Port Everglades facility. The continuation of the ongoing statewide aerial survey that FPL has funded in the past years meets these criteria.
- g) The FPL Port Everglades Power Plant will provide phone numbers for weekday and weekend notification of appropriate plant personnel for the purpose of allowing FWCC or USFWS to coordinate manatee rescue operations as necessary.

2.) FPL actions, pursuant to this plan, that will be conducted on a one-time basis unless there are significant physical or operational changes to the FPL Port Everglades power plant.

a) Provide a site map of the facility as a part of the plan that includes the following information;

1. The location of the intake pipes and outfall pipes.
2. Proximate streams, rivers, bays, etc.
3. The location of the condenser inlet and outlet temperature monitoring stations.
4. The location of any fuel barge docking facilities in relation to the discharge canal.
5. The delineation of the no-entry boundary at the discharge canal.

b) In order to evaluate and determine what portions of the thermal discharge will provide a sufficient warm water refuge for manatees under potential cold stress water conditions; the FPL Port Everglades power plant will, within two (2) years of the effective date of this plan, provide a profile of the thermal gradient (either actual or calculated) of the discharge canal waters, as well as its gross bathymetry, at the mean rate of discharge when the ambient water temperature reaches a seasonal low.

**FLORIDA POWER & LIGHT – PORT EVERGLADES PLANT
MANATEE PROTECTION PLAN**

**1a) STANDARD MANATEE CONSTRUCTION CONDITIONS FOR ARTIFICIAL
WARM WATER REFUGIA DURING THE PERIOD OF NOVEMBER 15
THROUGH MARCH 31.**

The permittee shall comply with the following manatee protection conditions:

- a. The permittee shall instruct all personnel associated with in-water work within the discharge canal and/or the warm water refuge of the potential presence of manatees and the need to avoid collisions with manatees. All vessels used in the operation or in association with the in-water work shall have an observer on board responsible for identifying the presence and location of manatee(s).
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972, The Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act.
- c. All vessels associated with in-water work associated with the discharge canal and/or warm water refuge shall operate at "no wake/idle" speeds at all times while in the manatee warm water refuge area. All vessels will follow routes of deep water whenever possible.
- d. If manatee(s) are seen within the discharge canal and/or warm water refuge area all appropriate precautions shall be implemented to ensure protection of the manatee(s). These precautions shall include the immediate shutdown of equipment if necessary. Activities will not resume until the manatee(s) has departed to a safe distance on its own volition.
- e. Any collision with and/or injury to a manatee shall be reported immediately to the Florida Fish & Wildlife Conservation Commission at (1-800-342-5367). Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580).

APPENDIX 10.6.3

MANATEE PROTECTION ZONE PERMIT NO. MPZ-0001-11-BRO



Manatee Protection Zone Permit
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
Imperiled Species Management Section
620 South Meridian Street, Mail Station 6A, Tallahassee, Florida 32399-1600
(850) 922-4330

Permittee Name: Ms. Jodie Gless

Permit No.: MPZ-0001-11-BRO

Permittee Address: Florida Power & Light Company
700 Universe Boulevard
Juno Beach, Florida 33408

Effective Date: 6/21/11

Expiration Date: 6/21/16

IS AUTHORIZED TO:

Access the Year-round No Entry zone in and adjacent to the discharge canal of the Florida Power & Light ("FPL") Port Everglades Power Plant (Broward County) to conduct maintenance and inspection of power plant equipment, as conditioned and limited below.

AUTHORIZED LOCATIONS:

Year-round No Entry zone at the FPL Port Everglades Power Plant Area, as designated by 68C-22.010(1)(a)1., FAC.

Permittee Signature

Date

6/22/2011

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.

Authorized by: R. Kipp Frohlich, FWC Imperiled Species Management Section

Authorizing Signature

(electronic signature)

Date

June 21, 2011

PERMIT CONDITIONS AND PROVISIONS:

This permit is issued in response to your request dated May 24, 2011, for authorization for staff from Florida Power & Light ("FPL") and/or parties working on behalf of FPL to enter the No Entry zone cited above in order to conduct maintenance and inspection of power plant equipment. The Florida Fish and Wildlife Conservation Commission ("FWC") is authorized to issue this type of permit pursuant to 68C-22.003, FAC.



Manatee Protection Zone Permit

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

Imperiled Species Management Section

620 South Meridian Street, Mail Station 6A, Tallahassee, Florida 32399-1600

(850) 922-4330

As stated in your request, water access to the No Entry zone would typically be by "jon boats, motorboats and barges; however, in the case of emergency, other boats may be required. Vessels would be operated at no greater than Idle Speed." Based on the information provided, we have determined the requested activities should not pose a serious threat to manatees provided FPL complies with the conditions set forth below. Therefore, a permit is hereby granted to FPL with the following conditions:

1. Access is allowed to perform essential operations, including in-water maintenance and inspection of equipment, emergency operations, and environmental monitoring. A copy of this permit must be available on-site whenever the permit is being used.
2. Vessels used to access the zone should be of the smallest size and horsepower needed to accomplish the required tasks, and all vessels should be clearly marked as belonging to FPL or authorized contractor performing work on behalf of FPL. Whenever practicable, vessels should be equipped with a propeller guard. Vessel operation within the zone must be at no greater than Idle Speed.
3. At least one person on each vessel must be designated as a manatee observer. Said observer must have experience in manatee observation and be equipped with polarized sunglasses to aid in observation. The observer must be on the vessel at all times, maintain a vigilant watch, and advise all personnel as to the presence and location of nearby manatees.
4. Except in emergency situations, no in-water activity may be performed within 50 feet of a manatee, or before sunrise or after sunset (when the ability to see manatees is minimal). Manatees may not be approached, pursued, fed, watered, touched, or otherwise interacted with in any manner that causes disruption of their normal behavior. If one or more manatees are observed within 50 feet, all in-water activities must be stopped and may only be resumed after all manatees have moved away of their own volition.
5. All personnel entering the zone must be informed of the possible presence of manatees, the characteristics used to identify the presence of manatees, and the conditions and requirements set forth herein. All personnel must be advised that there are civil and criminal penalties for harming, harassing, or killing manatees, which are protected under the Marine Mammal Protection Act of 1972, the Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act.
6. Any collision with and/or injury to a manatee must be reported immediately to the FWC Division of Law Enforcement (888-404-3922) and FWC Imperiled Species Management (850-922-4330; fax: 850-922-4338).
7. The Licensee shall maintain records onsite detailing the nature and scope of all activities conducted within the restricted area during the previous year, including dates of activity and the number of vessels involved as well as the type and configuration of the vessels, by date. These records should be made available to FWC upon request.



Manatee Protection Zone Permit

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

Imperiled Species Management Section

620 South Meridian Street, Mail Station 6A, Tallahassee, Florida 32399-1600

(850) 922-4330

8. Failure to comply with the requirements of this permit shall be cause for immediate revocation of this permit.

By copy of this letter, the FWC Division of Law Enforcement is hereby advised of the nature and conditions of this permit. Should there be any modification of FPL's activities such that the validity of this permit may be affected, FPL must immediately notify my designee or me. If a renewal or modification of this permit is desired, FPL should submit a request at least 90 days before new or revised activities need to be conducted. The FWC retains the right to modify or rescind this permit should information become available indicating the permitted activity is likely to create a serious threat to manatees or that the recipient does not need the permit (in its current form). If you have any questions regarding this permit or its applicability, please contact Mr. Scott Calleson of my staff at 850-922-4330.

A person whose substantial interests are affected by FWC's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. A person seeking a hearing on FWC's action shall file a petition for hearing with the agency within 21 days of receipt of written notice of the decision. The petition must contain the information and otherwise comply with section 120.569, Florida Statutes, and the uniform rules of the Florida Division of Administration, chapter 28-106, Florida Administrative Code. Upon such notification, the Permittee shall cease all work authorized by this permit until the petition is resolved. The enclosed Explanation of Rights statement provides additional information as to the rights of parties whose substantial interests are or may be affected by this action.

Enclosure: *Explanation of Rights*

cc: FWC/DLE

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FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
EXPLANATION OF RIGHTS

If your substantial interests are or will be determined by the Florida Fish and Wildlife Conservation Commission's action or proposed action stated in the accompanying notice, you may make any one of the following elections on the attached Election of Rights form and file the form within twenty-one (21) days from the date you receive the notice of agency action or proposed action. If you so choose, please return the completed Election of Rights form with the enclosed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code, to the address listed on the Election of Rights form.

1. If you wish to contest the agency action or proposed action, but do not dispute any of the issues of material fact set forth in the notice, you may request an informal proceeding pursuant to Sections 120.569 and 120.57(2), Florida Statutes. In the event that your request for an informal proceeding is granted, you must be given the opportunity to either simply present a written statement challenging the grounds upon which the Commission has chosen to justify its action or inaction or present evidence in mitigation.

Any request for an informal proceeding in this matter should be directed to the Commission by checking the space marked as 1 on the Election of Rights form and filing the completed and signed form with the Commission within twenty-one (21) days from the date of receipt of the notice. In making such a request, you must include with the completed and signed Election of Rights form either the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code.

2. If you wish to contest the notice of agency action or proposed action and you dispute one or more of the issues of material fact as set forth in the notice, you may request a formal hearing pursuant to Sections 120.569 and 120.57(1), Florida Statutes. If there is a disputed issue of material fact and your request is otherwise complete, an administrative law judge shall be furnished by the Division of Administrative Hearings of the Department of Management Services pursuant to Sections 120.569 and 120.57(1), Florida Statutes. A petition shall be dismissed if it fails to state disputed issues of material fact, it otherwise is not in substantial compliance with the requirements of 28-106.201(2) FAC, or it has been untimely filed.

Any request for a formal hearing in this matter should be directed to the Commission by checking the space marked as 2 on the Election of Rights form and filing the completed and signed form with the Commission within twenty-one (21) days from the date of receipt of the notice. In making such a request, you must include with the completed and signed Election of Rights form either the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code.

Failure to make any election in this matter, as provided above, within twenty-one (21) days from the date you received the notice, shall be considered a waiver of your rights to any administrative proceeding as provided in either 1 or 2, above.

Mediation is not an available alternative with respect to this action or proposed action.

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
ELECTION OF RIGHTS

I have read the Explanation of Rights provided to me by the Florida Fish and Wildlife Conservation Commission (Commission) and understand my options. (You may select one of the options below and return this form to the Commission no later than twenty-one (21) days from the receipt of the notice of agency action or proposed action.)

☐ 1. I do not dispute any of the issues of material fact in the notice of agency action or proposed action, but do wish to be accorded an informal proceeding, pursuant to Sections 120.569 and 120.57(2), Florida Statutes. I understand that I may either submit a written statement or submit evidence in mitigation to the agency head or designated representative. I have attached the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code.

☐ 2. I do dispute one or more issues of material fact in the notice of agency action or proposed action, I have attached the completed and signed Petition for Administrative Proceeding form completed in accordance with Chapter 28-106, Florida Administrative code, or a substitute document in compliance with Chapter 28-106, of the Florida Administrative code, and I request a formal hearing, pursuant to Sections 120.569 and 120.57(1), Florida Statutes, before an administrative law judge appointed by the Division of Administrative Hearings.

I have read and understand the Election of Rights form and understand that I have the right to be represented by counsel or a qualified representative at an administrative proceeding. I also understand that I must attach a petition to this request if I have requested an informal proceeding or hearing.

Please sign and state your current address and telephone number:

Signature

Date

PRINT NAME

The above indicated person is ☐ the Petitioner, ☐ counsel for the Petitioner, or ☐ the qualified representative of the Petitioner (Please check one).

Petitioner's name and address

Attorney or representative's
name and address (if applicable)

If applicable, please list the type of Permit /License applied for and the Permit/License Number

Please mail form to:

**Office of General Counsel
Florida Fish and Wildlife Conservation Commission
620 South Meridian Street
Tallahassee, Florida 32399-1600**

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

PETITION FOR ADMINISTRATIVE PROCEEDING

Compliance of Section 120.569(2)(c), Florida Statutes, and
Chapter 28-106, Florida Administrative Code

If requesting a proceeding, please complete this form or otherwise provide the information required by Chapter 28-106, of the Florida Administrative code on single sided 8 1/2" X 11" white paper and send to the following address along with the completed Election of Rights form:

Office of General Counsel
Florida Fish and Wildlife Conservation Commission
620 South Meridian Street
Tallahassee, Florida 32399-1600

1. Please list the name and address of each agency affected and each agency's file or identification number, if known:

2. Please identify the petitioner (the individual or organization requesting the hearing):

Name: _____

Address: _____

Phone number: (____) ____ — _____

3. Please identify the petitioner's representative or counsel (if any):

Name: _____

Address: _____

Phone number: (____) ____ — _____

[The address of petitioner's representative, if listed above, shall be the address for service purposes during the course of the proceedings]

4. Please explain how the petitioner's substantial interests are or will be affected by the Commission's action or proposed action:

5. Please explain when and how the petitioner received notice of the Commission's action or proposed action:

6. Please indicate whether the petitioner disputes any material facts and, if so, state all disputed material facts:

7. Please concisely state the ultimate facts alleged, including a statement of the specific facts that the petitioner contends warrant reversal or modification of the Commission's action or proposed action:

8. Please state the specific rules or statutes that the petitioner contends require reversal or modification of the Commission's action or proposed action:

9. Please state the relief sought by the petitioner, stating precisely the action that the petitioner wants the Commission to take with respect to the action or proposed action:

Either the Petitioner, counsel for the Petitioner, or the qualified representative of the Petitioner must sign below agreeing that the person signing this document has read this Petition, made a reasonable inquiry, and is not filing this document for any improper purposes, frivolous purpose, or needless increase in the cost of litigation.

Signature

Date

PRINT NAME

The above indicated person is ☐ the Petitioner, ☐ counsel for the Petitioner, or ☐ the qualified representative of the Petitioner (Please check one).

APPENDIX 10.6.4

MIGRATORY BIRD NEST REMOVAL PERMIT NO. LSNR-11-00026



Migratory Bird Nest Removal

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
Division of Habitat and Species Conservation, Species Conservation Planning Section
620 South Meridian Street, MS 2A, Tallahassee, FL 32399-1600, (850) 921-5990, x17310

Permit Owner Name: Florida Power & Light Company
Permit Owner Address: 700 Universe Blvd JES/JB
PALM BEACH GARDENS, FLORIDA
33410 UNITED STATES

Permit Number: LSNR-11-00026
Effective Date: February 2, 2011
Expiration Date: December 31, 2013

IS AUTHORIZED TO:

Remove active (containing eggs and/or flightless young) and inactive (containing no eggs or flightless young) nest(s) of osprey and nonlisted migratory bird species (excluding Bald eagles [*Haliaeetus leucocephalus*]) in Florida pursuant to Rules 68A-5, 68A-9.002, 68A-16 and 68A-27, F.A.C. and the Florida Fish and Wildlife Conservation Commission's (FWC) Osprey Nest Removal Policies.

AUTHORIZED LOCATION(S): Facilities and structures maintained by Florida Power and Light (FPL) statewide with the exception of Monroe County (**represented by Ms. Jodie Gless**).

Permittee Signature: Jodie Gless Date: 2/7/11

Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Brad Gruver

Authorized for: Nick Wiley, Executive Director

Bradley J. Gruver

Authorizing Signature: _____
Species Conservation Planning Section

Date: 02/03/2011

PERMIT CONDITIONS AND PROVISIONS:

- 1 The Permittee is authorized to remove active osprey (except for Monroe County) and other nonlisted migratory bird nests [(except Bald eagles (*Haliaeetus leucocephalus*))] situated on Florida Power and Light utility structures throughout Florida, in emergency situations in which the birds, eggs and/or nests, pose a safety hazard to human health and life, or places bird life at risk.
- 2 The Permittee or his designee shall:
 - a. Make every effort to attempt to relocate the nest including any eggs or chicks which may be present to a replacement nesting structure of comparable or better quality.
 - b. A licensed Florida wildlife rehabilitator shall be on call to provide treatment to the chicks, in the event that the chicks abandon the nest or if the chicks must be removed from the nest during relocation. Once the relocation is complete the chicks shall be safely returned to the nest.
 - c. Monitor the adult pair's response to the relocation and removal/replacement of chicks (if warranted).
 - d. Monitor the chicks upon returning them to the nest to determine the success of the rescue effort.

The Permittee must provide rehabilitation services via a licensed rehabilitation facility; including taking the chicks into captivity for medical treatment and possible surrogate rearing, in the event that the rescue effort is not feasible, proves unsuccessful or an injury to chicks occurs. The Permitting Office must be contacted within 24 hours via fax at (850) 921-1847 or email to wildlifepermits@myfwc.com, if the chicks are taken into captivity for rearing or medical treatment. Contact the FWC Division of Law Enforcement at (850) 488-6253 for a list of current licensed wildlife rehabilitators.

- 3 Inactive nests and nesting debris of nonlisted birds [including osprey and excluding Bald eagles (*Haliaeetus leucocephalus*)] situated on facilities or structures maintained by the Permittee may be removed and replaced (applicable only to osprey nest(s) when feasible and at the discretion of the Permittee) in association with emergency or routine maintenance.
- 4 When the Permittee determines that osprey nest replacement is feasible, nesting structures of comparable or better quality than the nest support structure removed or destroyed must be erected by the Permittee. The replacement osprey nest structure shall be located in the immediate vicinity of the old nest within 2 months of nest removal. Suggested guidelines for constructing replacement osprey nest structures are enclosed. But other designs may be used.
- 5 The Permittee may 1) relocate all or part of the existing osprey nest(s) to the replacement platform(s) when applicable or 2) donate the osprey and/or nonlisted migratory bird nest(s) to FWC permitted/licensed educational or scientific facilities or properly destroy the structures by trash disposal, burial or incineration.
- 6 Any injury and/or mortality of listed species must be reported to this office within 48 hours via fax at (850) 921-1847 or email at wildlifepermits@myfwc.com. Disposition of those specimens is subject to individual approval by the Commission.
- 7 This permit does not authorize taking of nests of state listed Threatened species or Species of Special Concern [see Titles 68A-27, Florida Administrative Code (F.A.C.) for complete listing of excluded species] or Bald eagles [*Haliaeetus leucocephalus*] 68A-16.002 F.A.C, other than those indicated in the above provisions. Permits for removal of these species must be secured separately. In such cases, contact the Permit Coordinator at the address given above.
- 8 The activities authorized under this Permit may be carried out by the Permittee or Authorized Agent (if applicable) and any employee or contractor under their control as Subpermittees/Assistants. Accordingly, all such activities are the responsibility of the Permittee or Authorized Agent. The Permittee and Authorized Agent shall be as fully responsible for any such activities to the same extent as if they had themselves carried out those activities under this Permit. The Permittee or Authorized Agent shall revise its list of designated Subpermittees/Assistants and submit the required supporting documentation utilizing the FWC online permitting system prior to that Subpermittee/Assistant conducting any activities authorized under this permit. The FWC reserves the right to deny a Permittee's designation of an individual as its Subpermittee/Assistant for just cause.
- 9 This office no longer requires a permit for species listed under the federal Endangered Species Act (ESA). Federal authorization or permit(s) must be obtained from the [United States Fish and Wildlife Service](#) (USFWS) before embarking upon activities involving or impacting said species.
- 10 This permit does not authorize access to any public or private properties. The Permittee (and his designee) must secure permission from the appropriate landowner or land manager prior to conducting any activity authorized under this permit.
- 11 This permit is nontransferable and must be prominently posted on the Project site or carried on authorized individual's person for inspection by all authorized officials (including but not restricted to FWC, USFWS, local building and zoning, law enforcement) at all times while engaging in the permitted activities.
- 12 The Permittee by signature above confirms that representatives of the Florida Fish and Wildlife Conservation Commission (Commission) have his/her permission as the Permittee, and that of the landowner(s) to enter on and inspect the property(ies) described in the application (herein incorporated by reference) and any documents associated with this permit for all reasonable purposes

pertaining to applicable Commission rules.

- 13 This permit is in effect a renewal of permit WN08296 which expired on December 31, 2010 and supersedes all previous versions.
- 14 An annual report detailing the number of nests taken, dates, nest status, location and final disposition of nests, eggs or flightless young, must be submitted to this office by June 30 of each year, commencing 2012. Said reports should be directed to the Protected Species Permit Coordinator, Species Conservation Planning Section, by way of the FWC Online Permitting System or by email at wildlifepermits@myfwc.com. Requests for permit renewal should be submitted at least 45 days prior to the time it is needed. Copies of any other reports or publications, which result from the work, must also be provided upon their availability.
- 15 This permit can be suspended, revoked or not renewed for just cause, pursuant to 68A-5.004, [Florida Administrative Code](#) and Chapter 120, [Florida Statutes](#).

A person whose substantial interests are affected by FWC's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. A person seeking a hearing on FWC's action shall file a petition for hearing with the agency within 21 days of receipt of written notice of the decision. The petition must contain the information and otherwise comply with section 120.569, Florida Statutes, and the uniform rules of the Florida Division of Administration, chapter 28-106, Florida Administrative Code. Upon such notification, the Permittee shall cease all work authorized by this permit until the petition is resolved. The enclosed Explanation of Rights statement provides additional information as to the rights of parties whose substantial interests are or may be affected by this action.

APPENDIX 10.6.5

SCIENTIFIC COLLECTING PERMIT NO. LSSC-11-00021



Scientific Collecting

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
Division of Habitat and Species Conservation, Species Conservation Planning Section
620 South Meridian Street, MS 2A, Tallahassee, FL 32399-1600, (850) 921-5990, x17310

Salvage

Permit Owner Name: Florida Power & Light Company
Permit Owner Address: 700 Universe Blvd JES/JB
PALM BEACH GARDENS, FLORIDA
33410 UNITED STATES

Permit Number: LSSC-11-00021
Effective Date: February 2, 2011
Expiration Date: December 31, 2013

IS AUTHORIZED TO:

Salvage, mount and display wildlife carcasses upon encounter for educational or scientific purposes in Florida, pursuant to 68A-9.002, 68A-16, 68A-25 and 68A-27 F.A.C., and in accordance with the following provisions/conditions.

AUTHORIZED LOCATION(S): **Statewide** authorization for Florida Power & Light Company (represented by Jodie Gless)

Permittee Signature: Jodie Gless Date: 2/7/11
Not valid unless signed. By signature, confirms that all information provided to issue the permit is accurate and complete, and indicates acceptance and understanding of the provisions and conditions listed below. **Any false statements or misrepresentations when applying for this permit may result in felony charges and will result in revocation of this permit.**

Authorized By: Brad Gruver Authorized for: Nick Wiley, Executive Director

Authorizing Signature: Bradly J. Gruver Date: 02/02/2011
Species Conservation Planning Section

PERMIT CONDITIONS AND PROVISIONS:

1

Carcasses of non-listed **and state listed (threatened and species of special concern)** wildlife may be salvaged upon encounter and possessed (i.e. mounted and displayed) at Florida Power & Light Company, Environmental Services Department for scientific/educational purposes.

- 2 Salvaged specimens may be temporarily transferred to a taxidermist or tanner for mounting or tanning provided a copy of this permit is kept with the carcass or hide at all times.
- 3 The Permittee may temporarily loan the mounted specimens to other entities, provided they are in

possession of a letter of authorization from the Permittee and a copy of this permit. The Permittee must maintain an inventory (i.e., who has possession and at what physical location) of parts possessed independently of these individuals.

- 4 Wildlife carcasses and parts (e.g.-hides, skulls, other bones etc.) possessed under this permit (per Provision/Condition 1 above) may be transported for use in scientific or educational programs. This permit (or a copy) must be readily available during transport and while displaying the mount, hide or part at the program(s).
- 5 This permit shall expire and the animal carcasses and other parts shall be returned to the Commission should they no longer be needed for exhibition and/or educational purposes at the permitted facility, or upon severance of the affiliation of the Permittee with this facility.
- 6 The activities authorized under this Permit may be carried out by the Permittee or Authorized Agent (if applicable) and any employee or contractor under their control as Subpermittees/Assistants. Accordingly, all such activities are the responsibility of the Permittee or Authorized Agent. The Permittee and Authorized Agent shall be as fully responsible for any such activities to the same extent as if they had themselves carried out those activities under this Permit. The Permittee or Authorized Agent shall revise its list of designated Subpermittees/Assistants and submit the required supporting documentation utilizing the FWC online permitting system prior to that Subpermittee/Assistant conducting any activities authorized under this permit. The FWC reserves the right to deny a Permittee's designation of an individual as its Subpermittee/Assistant for just cause.
- 7 **This office no longer requires a permit for species listed under the federal Endangered Species Act (ESA). Federal authorization or permit(s) must be obtained from the [United States Fish and Wildlife Service \(USFWS\)](#) before embarking upon activities involving or impacting said species.**
- 8 This permit does not authorize access to any public or private properties. The Permittee (and his designee) must secure permission from the appropriate landowner or land manager prior to conducting any activity authorized under this permit.
- 9 This permit is nontransferable, but other qualified personnel may assist in permitted work in the absence of the Permittee's direct supervision, when those assistants are designated via letter from the Permittee to each designee, with this office provided a copy of such letter(s). This permit must be readily available for inspection at all times while engaging in the permitted activities.
- 10 The Permittee by signature above confirms that representatives of the Florida Fish and Wildlife Conservation Commission (Commission) have his/her permission as the Permittee, and that of the landowner(s) to enter on and inspect the property(ies) described in the application (herein incorporated by reference) and any documents associated with this permit for all reasonable purposes pertaining to applicable Commission rules.
- 11 **This permit is in effect a renewal of permit WS07667 which expired December 31, 2010.** All changes to the previous permit are indicated in bold.
- 12 Formally designated assistants/subpermittees are also to be in possession of your letter of authorization, a copy of this state permit and any required federal authorization/permit when working in your absence.
- 13 An annual report detailing the number of specimens collected per species, dates and locations of collections, and final disposition of specimens must be submitted to this office by February 1 of each year. Copies of any other reports or publications, which result from the work, must also be provided upon their availability. Requests for permit renewal should be submitted at least 45 days prior to the time it is needed.
- 14 This permit can be suspended, revoked or not renewed for just cause, pursuant to 68A-5.004, [Florida Administrative Code](#) and Chapter 120, [Florida Statutes](#).

A person whose substantial interests are affected by FWC's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. A person seeking a

hearing on FWC's action shall file a petition for hearing with the agency within 21 days of receipt of written notice of the decision. The petition must contain the information and otherwise comply with section 120.569, Florida Statutes, and the uniform rules of the Florida Division of Administration, chapter 28-106, Florida Administrative Code. Upon such notification, the Permittee shall cease all work authorized by this permit until the petition is resolved. The enclosed Explanation of Rights statement provides additional information as to the rights of parties whose substantial interests are or may be affected by this action.

APPENDIX 10.6.6

**STATE OF FLORIDA
INDUSTRIAL WASTEWATER FACILITY
PERMIT NO. FL0001538**



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

CERTIFIED MAIL RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Mr. Rudy Sanchez
Plant General Manager
Florida Power & Light Company (FPL)
P.O. Box 13118
Ft Lauderdale, Florida 33316

PA File No. FL0001538-007-IW1S
Broward County
Port Everglades Plant
NPDES Permit No. FL0001538

NOTICE OF PERMIT ISSUANCE

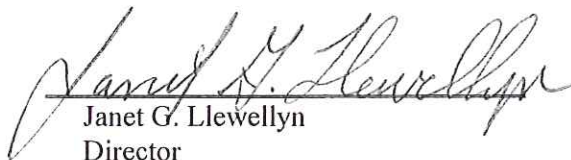
Enclosed is Permit Number FL0001538 to Florida Power & Light Company, authorizing wastewater discharge from the Port Everglades Plant to the Intracoastal Waterway, a Class III marine water, issued under Section 403.0885, Florida Statutes, and DEP Rule 62-620, Florida Administrative Code.

Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

Any party to this order (permit) has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, 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 30 days from the date when this document is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Janet G. Llewellyn
Director

Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, FL 32399-2400
(850) 245-8336

FACILITY: Port Everglades Plant
PERMITTEE: Florida Power & Light Company

Page 2 of 2
Permit FL0001538

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated deputy clerk, receipt of which is hereby acknowledged.

J. Shields 07-27-10
Clerk Date

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this DOCUMENT AND ATTACHMENTS and all copies were mailed before the close of business on 07-27-10 to the listed persons.

J. Shields
Name

07-27-10
Date

Certified copies furnished to:

Mark Nuhfer, NPDES Permitting Section, EPA Region 4, Atlanta, GA
Chairman, Board of Broward County Commissioners
Ron Mezich, FWC Tallahassee
Jim Valade, U.S. Fish & Wildlife Service

Copies furnished by U.S. mail to:

Andy Flajole, Florida Power and Light

Copies furnished by intradepartmental mail to:

Justin Wolfe, Esq., DEP Tallahassee
Tim Powell, P.E., DEP West Palm Beach
Michael Hambor, DEP West Palm Beach

**STATE OF FLORIDA
INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMITTEE:

Florida Power & Light Company
P.O. Box 13118
Ft. Lauderdale, FL 33316

PERMIT NUMBER: FL0001538 (Major)
FILE NUMBER: FL0001538-007-IW1S
ISSUANCE DATE: July 22, 2010
EXPIRATION DATE: July 21, 2015

RESPONSIBLE OFFICIAL:

Mr. Jeff Smith
Plant General Manager
P.O. Box 13118
Ft. Lauderdale, Florida 33316
(954) 527-3601

FACILITY:

Florida Power & Light Company
Port Everglades Plant
8100 Eisenhower Blvd
Fort Lauderdale, FL 33316
Broward County
Latitude: 26°5' 5.97" N Longitude: 80°7' 31.87" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

FACILITY DESCRIPTION:

The facility is an electric generating plant with a total nominal generating capacity of approximately 1200 megawatts (MW), with a total production capacity of 1254 MW using natural gas or oil as fuel. The existing generating facility consists of four dual-fired steam electric generating units (Units 1, 2, 3, and 4) with nameplate ratings of 200 MW, 200 MW, 400 MW, and 400 MW, respectively. Seawater from Port Everglades harbor slip #3 is drawn into the facility's intake canal for use as once-through cooling water which discharges via the facility's discharge canal to the Intracoastal Waterway.

WASTEWATER TREATMENT:

Various wastewater streams generated at the facility include once-through cooling water, sluice water, economizer hopper wash, boiler blowdown, reverse osmosis concentrate, air preheater wash, dust collector wash, equipment wash, boiler fireside wash, stack wash and water treatment system effluent streams. The low volume wastewater treatment system includes a solids settling basin, precipitation basin, percolation basin and their overflow areas. The solids settling and precipitation basins are lined with an impermeable liner and the percolation basin has a limestone bottom. The equipment area runoff treatment system is designed to collect and retain the first inch of rainfall that falls on the plant's equipment area, minimal flows from the service water rinses in the power block area, and boiler blowdown as an infrequent alternate flow. Drainage from areas subject to oil contamination is routed through oil/water separators or oil traps. Runoff in excess of the first inch may be routed to the discharge canal.

REUSE OR DISPOSAL:

Surface Water Discharge D-001: An existing 1228 MGD Annual Average Daily Flow (1295 MGD Maximum Daily Flow) permitted discharge to Intracoastal Waterway, Class III Marine Waters, (WBID 3226G3). The Point of Discharge (POD) into waters of the State is located at a cross-section through the discharge canal 600 feet downstream from the Unit 1 cooling water discharge structure. The point of discharge is located approximately at latitude 26° 05' 01" N, longitude 80° 07' 26" W.

PERMITTEE: Florida Power and Light
FACILITY: Port Everglades Power Plant

PERMIT NUMBER: FL0001538 (Major)
EXPIRATION DATE: July 21, 2015

Surface Water Discharge D-00B3: An existing discharge to the Intracoastal Waterway, Class III Marine Waters, (WBID 3226G3). The East Tank Farm Stormwater point of discharge is located approximately at latitude 26° 04' 59" N, longitude 80° 7' 20" W.

Land Application R-001: An existing land application system consisting of Percolation Basin (Basin B-2) located approximately at latitude 26° 04' 59" N, longitude 80° 7' 32" W.

Land Application R-002: An existing land application system consisting of Stormwater Basin (Basin B-5) located approximately at latitude 26° 05' 00" N, longitude 80° 7' 28" W.

Internal Outfall I-019: An existing discharge to the intake canal, Class III Marine Waters, (WBID 3226G3). The point of discharge is located approximately at latitude 26° 05' 10" N, longitude 80° 07' 32" W.

Internal Outfall I-01B1: An existing discharge to the discharge canal and ultimately to the Intracoastal Waterway, Class III Marine Waters, (WBID 3226G3). The Stormwater Forwarding Basin and Sump (B5/S-11) point of discharge is located approximately at latitude 26° 05' 01" N, longitude 80° 07' 29" W.

Internal Outfall I-012: An existing permitted discharge to the intake canal.

Internal Outfall I-016: An existing permitted discharge to the intake canal.

Internal Outfall I-111: An existing 230 MGD Daily Maximum Flow permitted discharge to the discharge canal.

Internal Outfall I-112: An existing 230 MGD Daily Maximum Flow permitted discharge to the discharge canal.

Internal Outfall I-113: An existing 396 MGD Daily Maximum Flow permitted discharge to the discharge canal.

Internal Outfall I-114: An existing 396 MGD Daily Maximum Flow permitted discharge to the discharge canal.

Internal Outfall I-181, I-182, I-183, I-184: Existing permitted discharges from the auxiliary equipment cooling water systems for Units 1, 2, 3, and 4 to the discharge canal, respectively.

Internal Outfall I-1B2: An existing permitted discharge to the intake canal.

Internal Outfall I-1D1, I-1D2, I-1D3, I-1D4: An existing permitted discharge to the discharge canal.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 30 of this permit.

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I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge boiler blowdown, once-through non-contact cooling water, auxiliary equipment cooling water, reverse osmosis reject water, intake screen wash water, and stormwater from **Outfall D-001** to the Intracoastal Waterway. Such discharge shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Oxidants, Total Residual	mg/L	Max Max	0.01 0.01	Monthly Average Daily Maximum	Bi-weekly	Grab	EFF-5	See I.B.10
Temperature, Water	Deg F	Max Max	Report Report	Monthly Average Daily Maximum	Bi-weekly	Instantaneous	EFF-5	
Aluminum, Total Recoverable	mg/L	Max Max	1.5 1.5	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Arsenic, Total Recoverable	ug/L	Max Max	36 36	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Cadmium, Total Recoverable	ug/L	Max Max	9.3 9.3	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Copper, Total Recoverable	ug/L	Max Max	3.7 3.7	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5 SWB-1	See I.A.5
Oxygen, Dissolved (DO)	mg/L	Max Min	Report Report	Monthly Average Daily Minimum	Semi-Annually	Grab	EFF-5	See I.A.6
Fluoride, Dissolved (as F)	mg/L	Max Max	5.0 5.0	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Iron, Total Recoverable	mg/L	Max Max	0.3 0.3	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Lead, Total Recoverable	ug/L	Max Max	5.6 5.6	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Mercury, Total Recoverable	ug/L	Max Max	0.025 0.025	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Nickel, Total Recoverable	ug/L	Max Max	8.3 8.3	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5 SWB-1	See I.A.5
Selenium, Total Recoverable	ug/L	Max Max	71 71	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Zinc, Total Recoverable	ug/L	Max Max	86 86	Monthly Average Daily Maximum	Semi-Annually	Grab	EFF-5	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Mysidopsis bahia)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFF-5	See I.A.4
Chronic Whole Effluent Toxicity, 7-Day IC25 (Menidia beryllina)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFF-5	See I.A.4

- Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
EFF-5	600 feet downstream from the Unit 1 discharge structure physically demarcated by oil spill boom across the discharge canal.
SWB-1	Background from intake canal at a point upstream (North) of outfalls I-012 and I-016.

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3. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]
4. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
 - a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]
 - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. Acute whole effluent toxicity testing is not required except as provided in 4.g.(4). [Rules 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the issuance date of this permit and lasting for the duration of this permit.
 - (2) Upon completion of four consecutive, valid routine tests that demonstrate compliance with the effluent limitation in 4.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 4.a.(1) above.
 - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-014, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
 - c. Sampling Requirements
 - (1) For each routine test or additional follow-up test conducted, a total of three 24-hour composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-014, Section 8.
 - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
 - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
 - d. Test Requirements
 - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: 100%, 50%, 25%, 12.5%, and 6.25% final effluent.
 - (2) The permittee shall conduct 7-day survival and growth chronic toxicity tests with a mysid shrimp, *Americamysis (Mysidopsis) bahia*, Method 1007.0, and an inland silverside, *Menidia beryllina*, Method 1006.0, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms, 3rd Edition, EPA-821-R-02-014. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
 - (4) The control water and dilution water used shall be artificial sea salts as described in EPA-821-R-02-014, Section 7.2. The test salinity shall be determined as follows;
 - (a) For the *Americamysis bahia* bioassays, the effluent shall be adjusted to a salinity of 20 parts per thousand (ppt) with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 20 ppt. If the salinity of the effluent is greater than 20 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.

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- (b) For the *Menidia beryllina* bioassays, if the effluent salinity is less than 5ppt, the salinity shall be adjusted to 5 ppt with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 5 ppt. If the salinity of the effluent is greater than 5 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.
- (c) If the salinity of the effluent requires adjustment, a salinity adjustment control should be prepared and included with each bioassay. The salinity adjustment control is intended to identify toxicity resulting from adjusting the effluent salinity with artificial sea salts. To prepare the salinity adjustment control, dilute the control/dilution water to the salinity of the effluent and adjust the salinity of the salinity adjustment control at the same time and to the same salinity that the salinity of the effluent is adjusted using the same artificial sea salts.

e. Quality Assurance Requirements

- (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
- (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or any test does not meet "test acceptability criteria", the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-014, Section 14.12 (*Americamysis bahia*) and Section 13.12 (*Menidia beryllina*). The repeat test shall begin within 21 days after the last day of the invalid test.
- (3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-014, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for each test species shall be entered on the DMR.
- (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-014, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-014, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection
Southeast District Office
400 North Congress Avenue
West Palm Beach, Florida 33401

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 4.a.(1).
- (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in 4.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test

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- and conduct two additional follow-up tests according to 4.d. on each species that failed the test on each species that failed the test in accordance with 4.d.
- (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-014.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
- (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.
 - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 4.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 4.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-014, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
 - (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 4.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests.
If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 4.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

5. The actual limit shall be the water quality standard set forth in Rule 62-302.530, F.A.C. for Class III Marine waters as specified here or the concentration of the intake cooling water, whichever is greater. If the Outfall D-001 sample exceeds the intake concentration (and the intake concentration exceeds the water quality standard), the concentration of a minimum of five (5) additional subsamples shall be analyzed from the original intake and outfall samples. The results shall be evaluated using the "student's t-test" comparing discharge concentrations with the intake concentrations. Unless the discharge concentration exceeds the intake concentration at the 95% confidence level, the facility shall be in compliance with the limitation.
6. Dissolved Oxygen (DO) concentration shall not be less than DO measured at intake monitoring location INT- 1, 2, 3, and 4, unless the intake DO is greater than the applicable Water Quality Criteria (WQC) in Rule 62-302.530(31), F.A.C., in which case the discharge limitation shall be the WQC. A measurement tolerance of 0.5 mg/L shall be allowed for DO field measurements.

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7. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge stormwater from **Outfall D-00B3 (East Tank Farm)** to the Intracoastal Waterway. Such discharge shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report Report	Daily Average Daily Maximum	Weekly	Calculated	FLW-12	
Petrol Hydrocarbons, Total Recoverable	mg/L	Max Max	5.0 5.0	Daily Average Daily Maximum	Monthly	Grab	EFF-9	
Turbidity	NTU	Max	Report Report	Single Sample Single Sample	Monthly	Grab	SWB-1 EFF-9	See I.A.10
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Daily Average Daily Maximum	Monthly	Grab	EFF-9	
pH	s.u.	Max Min Max Min	Report Report Report Report	Daily Maximum Daily Minimum Daily Maximum Daily Minimum	Monthly	Grab	SWB-1 SWB-1 EFF-9 EFF-9	See I.A.11

8. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.7. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-12	Calculated based on pump rates and duration of pumping.
EFF-9	Nearest accessible point after final treatment but prior to actual discharge or mixing with the receiving waters.
SWB-1	Background from intake canal at a point upstream (North) of outfalls I-012 and I-016.

9. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]
10. The limit for "Turbidity" shall be calculated as follows:
Limit = Background Turbidity + 29 NTU
The measured effluent value shall be recorded on the DMR in the parameter row for "Turbidity (effluent)." The measured background value shall be recorded on the DMR in the parameter row for "Turbidity (background)" The calculated effluent limit shall be recorded on the DMR in the parameter row for "Turbidity (calculated limit)." Compliance with the effluent limitation is determined by calculating the difference between the measured effluent value and the calculated. The compliance value shall be recorded on the DMR in the parameter row for "Turbidity (effluent minus calculated limit)." The compliance value shall not exceed 0.00. [62-302.530(69)]
11. Discharge pH shall not vary more than one unit above or below natural background, as defined in Rules 62-302.200(15) and 62-302.530(51)(c), F.A.C., provided that the pH is not lowered to less than 6.0 units or raised above 8.5 units. If natural background is less than 6.0 units, the pH shall not vary below natural background, or vary more than one unit above natural background. If natural background is higher than 8.5 units, the pH shall not vary above natural background or vary more than one unit below natural background.

B. Internal Outfalls

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Water Treatment System Effluent Streams** from **Internal Outfall I-012** to the intake canal. Such discharge shall be limited and monitored by the permittee as specified:

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			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Monthly Average Daily Maximum	Semi- Annually	Calculated	FLW-9	See I.B.3
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Semi- Annually	Grab	EFF-7	See I.B.3
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Semi- Annually	Grab	EFF-7	See I.B.3
pH	s.u.	Min Max	6.0 9.0	Daily Minimum Daily Maximum	Semi- Annually	Grab	EFF-7	See I.B.3

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-9	Calculated based on water treatment system efficiency ratio.
EFF-7	Water treatment system effluent point prior to entering the intake canal.

3. Water treatment system filter backwash and softener regeneration are discharged to the lined solids settling basin. Other water treatment system effluent streams are discharged to the intake canal but may also be discharged to the lined solids settling basin as an alternate disposal method.
4. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Boiler Blowdown** from **Internal Outfall I-016** to the intake canal. Such discharge shall be limited and monitored by the permittee as specified below:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max	Report	Monthly Average	Daily	Calculated	FLW-10	
Flow, Total Volume	Mgal	Max	Report	Monthly Average	Monthly	Calculated	EFF-6	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Bi-weekly	Grab	EFF-6	
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Bi-weekly	Grab	EFF-6	
Hydrazine	mg/L	Max	0.3	Daily Maximum	Per discharge	Grab	EFF-6	See I.B.6
pH	s.u.	Min Max	6.0 9.0	Daily Minimum Daily Maximum	Bi-weekly	Grab	EFF-6	

5. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.4. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-10	Calculated based on representative conductivity measurements.
EFF-6	Boiler blowdown recovery basin outlet prior to discharge to the intake canal.

6. The monitoring frequency for hydrazine shall be once per discharge event. A discharge event is defined as a cold dump of the boiler following maintenance activities or cold stand-by status which requires hydrazine to be added

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to the boiler water to achieve concentrations higher than normal for protection of metal surfaces. Boiler blowdown, under normal operating conditions with hydrazine concentrations of 10 to 20 ug/l, may be discharged without limitations or monitoring requirements for hydrazine.

7. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Once-Through Non-Contact Cooling Water (OTCW)** from **Internal Outfalls I-111, I-112, I-113, and I-114** from Units 1, 2, 3, and 4, respectively, to discharge canal to the Intracoastal Waterway. Such discharge shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Monthly Average Daily Maximum	Continuous	Calculated	FLW-1, 2, 3, 4	See VI.5
Temperature, Water	Deg F	Max Max	Report Report	Monthly Average Daily Maximum	Continuous	Recorder	EFF-1, 2, 3, 4	See I.B.9
Temp. Diff. between Intake and Discharge	Deg F	Max Max	Report Report	Monthly Average Daily Maximum	6/Day	Calculated	INT-1, 2, 3, 4 EFF-1, 2, 3, 4	See I.B.9
Oxidants, Total Residual	mg/L	Max Max	0.20 0.20	Monthly Average Daily Maximum	Weekly	Grab	EFF-1, 2, 3, 4	See I.B.10
Chlorination Duration	min/day	Max	120	Daily Maximum	Daily	Pump logs	INT-1, 2, 3, 4	

8. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.7. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-1, 2, 3, 4	Calculated based on pump performance curves, system head curves and run times for Units 1, 2, 3, and 4, respectively.
EFF-1, 2, 3, 4	OTCW outlets for Units 1, 2, 3, and 4, respectively.
INT-1, 2, 3, 4	OTCW intakes for Units 1, 2, 3, and 4, respectively.

9. Discharge and intake temperatures shall be measured continuously. However, the monthly average and daily average values for discharge temperature and temperature rise shall be determined, during a given calendar month, from daily temperature readings taken at uniform intervals not greater than four hours.
10. Total Residual Oxidants (TRO) means the value obtained using the amperometric titration method for total residual chlorine or the Hach model 19300 or equivalent). Testing for TRO by titration shall be conducted according to either the low-level amperometric method, or the DPD calorimetric method as specified in section 4500-Cl E. or 4500 Cl G., respectively, Standard Methods for the examination of Water and Waste water, 18th Edition (or most current edition).

The permittee shall collect samples when chlorine is in use. TRO monitoring requirements for either Units 1, 2, 3 or 4 are not applicable for any week in which chlorine is not added to that unit. Monitoring requirements for the point of discharge are not applicable for any week in which chlorine is not added to any of the units. No more than one unit shall discharge total residual oxidant at any one time.

Multiple grabs for TRO shall be defined as once per five minutes during TRO discharge periods of 30 minutes or less and once per 15 minutes for periods exceeding 30 minutes with no less than four analyses during the period of TRO discharge (sampling shall be continued until the end of the TRO discharge).

11. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Auxiliary Equipment Cooling Water (AECW)** from **Internal Outfalls I-**

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1D1, I-1D2, I-1D3, and I-1D4 from Units 1, 2, 3, and 4, respectively, used in lieu of OTCW during periods of Reserve Shutdown or periods of circulation water pump malfunction, to discharge canal to Intracoastal Waterway. Such discharge shall be limited and monitored by the permittee as specified below:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Monthly Average Daily Maximum	Weekly	Calculated	FLW-5, 6, 7, 8	See VI.5
Temp. Diff. between Sample and Upstrm	Deg F	Max Max	20.0 20.0	Monthly Average Daily Maximum	6/Day	Calculated	INT-5, 6, 7, 8 EFF-1, 2, 3, 4	See I.B.13

12. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.11. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-5, 6, 7, 8	Calculated based on pump performance curves, system head curves and run times for Units 1, 2, 3, and 4, respectively.
INT-5, 6, 7, 8	AECW intakes for Units 1, 2, 3, and 4, respectively.
EFF-1, 2, 3, 4	OTCW outlets for Units 1, 2, 3, and 4, respectively.

13. The permittee may notify the Department after one year's data collection in order to request a modification of the permit to include an actual temperature rise limit based on operational data.
14. The permittee shall maintain current travelling screen practices at Units 1, 2, 3 and 4 so as to assure that the screens are cycled a minimum of twice during each 24 hours of operation unless precluded by repair /maintenance requirements.
15. The permittee shall develop a plan in accordance with the schedule in Condition VI.6 to help return live fish, shellfish, and other aquatic organisms collected or trapped on the intake screens to their natural habitat. Other material shall be removed from the intake screens and disposed of in accordance with all existing Federal, State and /or local laws and regulations that apply to waste disposal. Such material shall not be returned to the receiving waters.
16. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge equipment and non-equipment area stormwater and boiler blowdown from **Outfall I-01B1** to the Intracoastal Waterway. Such discharge shall be limited and monitored by the permittee as specified below:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/M in	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Monthly Average Daily Maximum	Per discharge	Calculated	FLW-11	See I.B.19
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Per discharge	Grab	EFF-8	See I.B.19
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Per discharge	Grab	EFF-8	See I.B.19

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Hydrazine	mg/L	Max	0.3	Daily Maximum	Per discharge	Grab	EFF-8	See I.B.19 and 20
pH	s.u.	Min Max	6.0 9.0	Daily Minimum Daily Maximum	Per discharge	Grab	EFF-8	See I.B.19

17. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.16 and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-11	Calculated based on water level depth over weir.
EFF-8	The stormwater treatment system effluent point prior to discharge to the discharge canal.

18. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]
19. Monitoring for this effluent is not required provided the first 15 minutes of a 10-year, 24-hour rainfall event is collected in the forwarding basin (Basin B-5) and routed to the percolation basin (Basin B-2). Subsequent storm water may be discharged without limitations or monitoring requirements.
20. The discharge limitation and monitoring requirements for hydrazine shall be applicable only during certain periods, i.e., accidental spill or any other event which could introduce hydrazine in concentrations in excess of 20 ug/L to an equipment area floor drain system.

C. Land Application Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge process wastewater, boiler blowdown, reverse osmosis reject water, metal cleaning wastewater, and stormwater to **Land Application System R-001, Percolation Basin (Basin B-2)**. Such discharge shall be limited and monitored by the permittee as specified below:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/M in	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Weekly Maximum Monthly Average	Weekly	Estimated	FLW-13	

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-13	Treated wastewater flow entering Basin B-2.

3. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge stormwater, boiler blowdown, treated equipment area runoff, non-equipment area runoff, and treated miscellaneous service water rinses from the power block area to **Land Application System R-002, Stormwater Basin (Basin B-5)**. Such discharge shall be limited and monitored by the permittee as specified below:

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			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/M in	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Weekly Maximum Monthly Average	Weekly	Calculated	FLW-14	

4. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.C.3. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-14	Treated wastewater flow entering Basin B-5.

D. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
 - a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
- Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in

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accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including months of no discharge.

REPORT Type on DMR	Monitoring Period	Due Date
Monthly or Toxicity	first day of month - last day of month	28 th day of following month
Quarterly	January 1 - March 31	April 28
	April 1 - June 30	July 28
	July 1 - September 30	October 28
	October 1 - December 31	January 28
Semiannual	January 1 - June 30	July 28
	July 1 - December 30	January 28
Annual	January 1 - December 31	January 28

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee may submit either paper or electronic DMR form(s). If submitting paper DMR form(s), the permittee shall make copies of the attached DMR form(s). If submitting electronic DMR form(s), the permittee shall use a Department-approved electronic DMR system.

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR form(s), without altering the original format or content unless approved by the Department, and shall submit the completed DMR form(s) to the Department by the twenty-eighth (28th) of the month following the month of operation at the addresses specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

And

Florida Department of Environmental Protection
Southeast District
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401

[62-620.610(18)]

5. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southeast District Office at the address specified below:

Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401

Phone Number - (561) 681-6600
FAX Number - (561) 681-6755 (All FAX copies shall be followed by original copies.)

[62-620.305]

6. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
7. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. [62-620.320(6)]

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8. The permittee is authorized to discharge from **Internal Outfalls I-181, I-182, I-183, and I-184 - Auxiliary Equipment Cooling and Outfall I019 - Intake Screen Washwater**. Sampling and monitoring of these outfalls are not required.
9. The permittee is authorized to discharge from **Outfalls I-1B2 - Stormwater From Diked Petroleum Storage or Handling Areas (North Tank Farm)**, provided such discharges are limited and monitored by the permittee as specified below:
 - a. The facility shall have a valid Spill Prevention Control and Countermeasure (SPCC) Plan pursuant to 40 CFR Part 112.
 - b. In draining the diked area, a portable oil skimmer or similar device or absorbent material shall be used to remove oil and grease (as indicated by the presence of a sheen) immediately prior to draining.
 - c. Monitoring records shall be maintained in the form of a log and shall contain the following information, as a minimum:
 - Date and time of discharge;
 - Estimated volume of discharge;
 - Initials of person making visual inspection and authorizing discharge; and
 - Observed conditions of stormwater discharged.
 - d. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of a visible oil sheen at any time.
10. The permittee shall continue compliance with the facility's Manatee Protection Plan approved by the Department on August 13, 1999 et seq.
11. The use of fluorescein dye at a feed concentration of no greater than 1.0 mg/L is authorized for maintenance and flow testing activities. The facility will maintain an on-site record of the dosage and discharge concentrations, specific application activity, flow rate, and residence time per usage to be available upon request. The dye may be used while other treatment chemicals are present in the water to be dosed.
12. The use of sodium hydroxide and sulfuric acid are authorized for pH control.
13. Sodium phosphate, used to control calcium and magnesium scaling, and ammonium hydroxide, used for pH control, are authorized as boiler water treatment additives.
14. Sodium metabisulfite is authorized for use in the facility's water treatment system for dechlorination of source water prior to being fed to the reverse osmosis (RO) system's membranes. The concentration of sodium metabisulfite in the RO feed water shall be 3 mg/L or less.
15. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream which ultimately may be discharged to lakes, rivers, or other waters of the State is prohibited unless specifically authorized elsewhere in this permit. This requirement is not applicable to products used for lawn and agricultural purposes or to the use of herbicides if used in accordance with labeled instructions and any applicable State permit. Discharge of chlorine from the use of chlorine gas, sodium hypochlorite, or similar chlorination compounds for treatment of the plant potable and service water systems is authorized.

A permit revision from the Department shall be required prior to the use of any biocide or chemical additive used in the cooling system (except chlorine or hydrazine as authorized elsewhere in this permit) or any other portion of the treatment system which may be toxic to aquatic life. The permit revision request shall include:

- a. Name and general composition of biocide or chemical
- b. Frequencies of use
- c. Quantities to be used
- d. Proposed effluent concentrations
- e. Acute and/or chronic toxicity data (laboratory reports shall be prepared according to Section 12 of EPA document no. EPA/600/4-90/027 entitled, Methods for Measuring the Acute Toxicity of Effluents and Receiving

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Waters for Freshwater and Marine Organisms, or most current addition.)

- f. Product data sheet
- g. Product label

Herbicides may be used within basins for the purpose of prevention of over accumulation of aquatic weeds. Use shall be in accordance with labeled instructions. Not later than 90 days after the effective date of this permit, the permittee shall provide the Department with a list of all herbicides used in the previous twelve months. Other products shall not be used without prior approval.

16. Discharge of any waste resulting from the combustion of toxic, hazardous, or metal cleaning wastes to any waste stream which ultimately discharges to waters of the State is prohibited, unless specifically authorized elsewhere in this permit.
17. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. The permittee shall dispose of all known PCB equipment, articles, and wastes in accordance with 40 CFR 761. The permittee shall certify each time that this disposal has been accomplished.
18. There shall be no discharge of floating debris, scum, oil, or other matter in such amounts as to form nuisances or produce color, odor, taste, turbidity, or other conditions to such degree as to create a nuisance or otherwise interfere with the beneficial use of the receiving waters in accordance with Rules 62-302.500(1)(a) and 62-302.530(500)(b), F.A.C. Any such discharges to waters of the State shall be reported to the Department when submitting DMRs.
19. The permittee is authorized to use Nalco 7330 in both of the facility's closed cooling water systems (CCWS). For scheduled maintenance or repair activities requiring drainage of isolated piping and pumps, or complete or partial drainage of a CCWS, the permittee shall not apply Nalco 7330 to that CCWS less than 30 days prior to the scheduled outage. For unscheduled activities requiring immediate attention, such as emergency repairs, in which Nalco 7330 has been applied within the past 30 days, the discharge to stormwater basin B-5 shall be routed to percolation basin B-2, and not discharged via the alternate route through outfall I-01B1. If a discharge of Nalco 7330 containing wastewater from the stormwater forwarding sump S-11 to surface waters via outfall I-01B1 was necessary, toxicity testing and reporting shall be required in accordance with permit condition I.A.4, at the monitoring location designated as EFF-8 and described in permit condition I.A.13. The facility shall maintain a record on-site containing the frequency of use, feed concentration, discharge concentration, application dates, dates of scheduled and unscheduled maintenance and repair activities, volumes of wastewater discharged to the B-5 basin containing Nalco 7330, and route of discharge if applicable, for both CCWSs.
20. The permittee shall maintain the current intake through-screen velocity such that the existing maximum velocity is not exceeded.

II. SLUDGE MANAGEMENT REQUIREMENTS

A. Basic Management Requirements

1. The disposal of sludge or other solids generated from the plant's wastewater treatment and containment system shall be reused, reclaimed, or otherwise disposed of in accordance with the requirements of Chapter 62-701, F.A.C.
2. The permittee shall be responsible for proper treatment, management, use or land application of its sludges.
3. The permittee shall keep records of the amount of sludge or residuals disposed, transported, or incinerated in (Please specify units). If a person other than the permittee is responsible for sludge transporting, disposal, or incineration, the permittee shall also keep the following records:
 - a. Name, address and telephone number of any transporter, and any manifests or bill of lading used;
 - b. Name and location of the site of disposal, treatment or incineration;
 - c. Name, address, and telephone number of the entity responsible for the disposal, treatment, or incineration site.

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III. GROUND WATER REQUIREMENTS

1. The permittee shall give at least 72-hours notice to the Department's Southeast District Office, prior to the installation of any monitoring wells. [62-620.320(6)]
2. Prior to construction of ground water monitoring wells, a soil boring shall be made at each monitoring well location in order to properly determine the well depth and screen interval. [62-520.900(2)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Southeast District Office detailed information on the well's location and construction on the attached DEP Form(s) 62-520.900(2), Monitor Well Completion Report. [62-532.410 and 62-520.900(2)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless future use is intended. [62-532.500(4)]
5. For land application systems for R-001 and R-002, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally to the facility's property line and vertically to the base of the surficial aquifer. [62-520.200(26)] [62-522.200(10) and 62-520.465]
6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
7. If the concentration for any constituent listed in Permit Condition III.10. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.9. below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600]
9. The following monitoring wells shall be sampled for Land Application Systems R-001 and R-002 at Land Application Sites PER-1 and PER-2, respectively.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		"	'	"	"	'	"			
MWB-01	Monitoring Well NOB-1; west of NW corner for B-1	26	04	59.8	80	07	32.1	23	Surficial	Existing
MWC-01	Monitoring Well NOB-2A; south of SE corner for B-3	26	04	57.5	80	07	35.4	15	Surficial	Existing
MWC-02	Monitoring Well NOB-2B; south of SE corner for B-3	26	04	57.4	80	07	35.3	25	Surficial	Existing
MWC-03	Monitoring Well NOB-3A (NOB-3A-R); south of overflow area for B-3	26	04	57.4	80	07	38.6	15	Surficial	Existing
MWC-04	Monitoring Well NOB-3B1; south of overflow area for B-3	26	04	57.4	80	07	38.5	25	Surficial	Existing
MWC-05	Monitoring Well D-1A; south of SE corner for B-1	26	04	58.3	80	07	27.7	15	Surficial	Existing

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

[62-520.600]

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10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9.
Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.D.3. :

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	Feet	Measured	Quarterly
Solids, Total Dissolved (TDS)	Report	mg/L	Grab	Quarterly
pH	Report	s.u.	In Situ	Quarterly
Sulfate, Total	Report	mg/L	Grab	Quarterly
Iron, Total Recoverable	Report	mg/L	Grab	Quarterly
Manganese, Total Recoverable	Report	mg/L	Grab	Quarterly
Sodium, Total Recoverable	Report	mg/L	Grab	Quarterly
Fluoride, Total (as F)	4.0	mg/L	Grab	Semi-Annually
Arsenic, Total Recoverable	0.010	mg/L	Grab	Semi-Annually
Copper, Total Recoverable	Report	mg/L	Grab	Semi-Annually
Chromium, Total Recoverable	0.1	mg/L	Grab	Semi-Annually
Lead, Total Recoverable	0.015	mg/L	Grab	Semi-Annually
Nickel, Total Recoverable	0.1	mg/L	Grab	Semi-Annually
Silver, Total Recoverable	Report	mg/L	Grab	Semi-Annually
Zinc, Total Recoverable	Report	mg/L	Grab	Semi-Annually

[62-520.600(11)(b)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210]
13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southeast District Office as being more representative of ground water conditions. [62-520.310(5)]
14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.D.3. [62-520.600(11)(b)]
15. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department's Southeast District Office immediately and a detailed written report shall follow within seven days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence. All monitoring well design and replacement shall be approved by the Department's Southeast District Office prior to installation. [62-520.600][62-620.320(6)]
16. An exemption from the Class G-II Ground Water Standard for sodium has been granted to the facility by the Department. The exemption is effective for the duration of this permit.

IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

- Appropriate warning signs shall be posted around the site boundaries to designate the nature of the various settling basins and percolation basins, including the designated overflow areas that comprised the permitted wastewater and stormwater treatment and disposal facility.
- The bottoms for the settling basins and percolation basins shall be cleaned out periodically, or when necessary, to remove the excess buildup of sediments, and to ensure continuous percolation capability for the percolation basins. The sediments and sludge excavated from the basins must be properly stored onsite, until they are

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disposed of in accordance with the requirements in Part II of the permit. Routine weed control and regular maintenance of basin embankments and access areas are required.

3. The permittee shall inspect the conditions for the impermeable liners for the lined settling basins and the percolation basins with lined side slopes. Any liners that display signs of significant deterioration, or evidence of leakage or instability, shall be replaced as soon as practical.
4. A minimum one (1) foot of freeboard should in general be maintained for all the wastewater and stormwater storage, treatment and percolation basins.
5. An existing land application system (R-001) consisting of percolation pond. Land application system R-001 is located approximately at latitude 26° 04' 59" N, longitude 80° 07' 32" W. R-001 is also identified as Percolation Basin B-2. It is located south of the plant switchyard with a dimension of approximately 112 feet long, 82 feet wide and 6.5 feet deep; approximate design capacity of 340,000 gallon; and built with lined side-slopes and a crushed limestone bottom. It is part of the facility's permitted metal cleaning waste/low volume waste treatment and disposal system. And being the downstream-most unit after a sequence of precipitation and settling treatment basins. In addition to handling treated waste streams originating from miscellaneous maintenance activities, non-equipment area runoff (as an alternate discharge route), R.O. water treatment system, metal cleaning waste, boiler process, and boiler blowdown (as an alternate discharge route), it also receives treated stormwater (equipment area runoff) pumped from Stormwater Forwarding Sump S-11. Basin B-2 has an overflow containment area approximately 185 feet by 84 feet by 247 feet by 80 feet. Depth is approximately 4 feet, with a design capacity of 500,000 gallons.
6. An existing land application system (R-002) consisting of percolation pond. Land application system R-002 is located approximately at latitude 26° 05' 00" N, longitude 80° 07' 28" W. R-002 is also identified as Stormwater Forwarding Basin (SWFB) B-5. It is located east of the plant switchyard with dimensions of approximately 282 feet long, 140 feet wide and 7.5 feet deep; a design capacity of approximately 326,000 gallons; and built with lined side-slopes and a crushed limestone bottom. It receives stormwater and miscellaneous plant washdown water from both equipment (primarily the "power block" area) and non-equipment areas. Equipment area runoff is routed through oil/water separators prior to entering Stormwater Forwarding Sump S-11. Boiler blowdown via equipment or non-equipment runoff areas may be a contributing source of wastewater as an alternate discharge route. Excess stormwater entering Sump S-11 may also be diverted to the plant discharge canal via outfall I-01B1 when the system capacity is exceeded.
7. Actual flows into the basins are likely affected by the prevailing weather condition and occurrence of plant maintenance activities. FPL has projected in a report dated May 8, 1991, the percolation capacity for Percolation Basin at 23,700 gpd. At this time, the permitted disposal capacities for the two basins are restricted by their actual demonstrated percolation capabilities instead of other imposed numerical limits. The permitted land application system also includes overflows areas adjacent to Percolation Basin B-2, and that south of Solids Settling Basin (SSB) Basin B-3, that may be utilized in extreme wet weather. Basin B-2 has an overflow containment area approximately 185 feet by 84 feet by 247 feet by 80 feet. Depth is approximately 4 feet, with a design capacity of 500,000 gallons. Basin B-3 has an overflow containment area approximately 233 feet by 261 feet by 162 feet and triangular in shape. Depth is approximately 3 feet with a design capacity of approximately 356,000 gallons.

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control. [62-620.320(6)]
2. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of

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- the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
- Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - A copy of the current permit;
 - A copy of any required record drawings; and
 - Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules.

[62-620.350]

VI. SCHEDULES

- The following improvement actions shall be completed according to the following schedule.

Improvement Action	Completion Date
1. The permittee shall identify and submit the location of background sampling point SWB-1 within 30 days of permit issuance. The sampling point location shall be approved of by the Department's Southeast District Office. The point shall be upstream (north) of outfalls I-012 and I-016.	30 days from permit issuance.

[62-620.320(6)]

- The following improvement actions shall be completed according to the following schedule. The Storm water Pollution Prevention Plan (SWPPP) shall be prepared and implemented in accordance with Part VII of this permit.

Improvement Action	Completion Date
1. Develop and implement SWPPP	18 months from permit issuance.
2. Complete Plan Summary	2 years from permit issuance.
3. Progress/Update Report	3 years, and then annual thereafter.

[62-620.320(6)]

- If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal no later than one-hundred and eighty days (180) prior to the expiration date of this permit. Application shall be made using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. [62-620.335(1) and (2)]
- The permittee shall submit a copy of the Manatee Protection Plan, including any amendments, with the permit renewal application to each of the following agencies no later than one-hundred and eighty days (180) prior to the expiration date of this permit:

Florida Department of Environmental Protection
Industrial Wastewater Section, Mail Station 3545
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Florida Fish and Wildlife Conservation Commission
Bureau of Protected Species Management
620 South Meridian Street
OES-BPS
Tallahassee, Florida 32399-1600

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EXPIRATION DATE: July 21, 2015

And

US Fish and Wildlife Service
Jacksonville Field Office
7915 Baymeadows Way, Suite 200
Jacksonville, Florida 32256-7517

5. No later than two months after the issuance date of this permit, the permittee shall submit to the Department representative pump curves for each pump associated with Units 1, 2, 3, and 4 that shows the pump performance curve, the system head curve, and the intersection of the two curves.
6. Within six months of the effective date of this permit, the permittee shall schedule a meeting with the Department to discuss the contents of the aquatic organism return plan in accordance with Condition I.B.15 and shall submit the plan to the Department within 12 months of the effective date of this permit. The plan shall be implemented within 24 months subsequent to approval by the Department.

VII. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

1. General Requirements

In accordance with Section 304(e) and 402(a)(2) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a plan for utilizing practices incorporating pollution prevention measures. References to be considered in developing the plan are "Criteria and Standards for Best Management Practices Authorized Under Section 304(e) of the Act," found at 40 CFR 122.44 Subpart K and the Storm Water Management Industrial Activities Guidance Manual, EPA/833-R92-002 and other EPA documents relating to Best Management Practice guidance.

a. Definitions

- (1) The term "pollutants" refers to conventional, non-conventional and toxic pollutants.
- (2) Conventional pollutants are: biochemical oxygen demand (BOD), suspended solids, pH, fecal coliform bacteria and oil & grease.
- (3) Non-conventional pollutants are those which are not defined as conventional or toxic.
- (4) Toxic pollutants include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the CWA, any hazardous substance listed in Section 311 of the CWA, or chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or non-conventional pollutant except ammonia) for which EPA has published an acute or chronic toxicity criterion.
- (5) "Significant Materials" is defined as raw materials; fuels; materials such as solvents and detergents; hazardous substances designated under Section 101(14) of CERCLA; and any chemical the facility is required to report pursuant to EPCRA, Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge.
- (6) "Pollution prevention" and "waste minimization" refer to the first two categories of EPA's preferred hazardous waste management strategy: first, source reduction and then, recycling.
- (7) "Recycle/Reuse" is defined as the minimization of waste generation by recovering and reprocessing usable products that might otherwise become waste; or the reuse or reprocessing of usable waste products in place of the original stock, or for other purposes such as material recovery, material regeneration or energy production.
- (8) "Source reduction" means any practice which: (a) reduces the amount of any pollutant entering a waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment or disposal; and (b) reduces the hazards to public health and the environment associated with the release of such pollutant. The term includes equipment or technology modifications, process or procedure modifications, reformulation or redesign of products, substitution of raw materials, and improvements in housekeeping, maintenance, training, or inventory control. It does not include any practice which alters the physical, chemical, or biological characteristics or the volume of a pollutant through a process or activity which itself is not integral to, or previously considered necessary for, the production of a product or the providing of a service.

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- (9) "SWPPP" means a Storm Water Pollution Prevention Plan incorporating the requirements of 40 CFR § 125, Subpart K, plus pollution prevention techniques, except where other existing programs are deemed equivalent by the permittee. The permittee shall certify the equivalency of the other referenced programs.
- (10) The term "material" refers to chemicals or chemical products used in any plant operation (i.e., caustic soda, hydrazine, degreasing agents, paint solvents, etc.). It does not include lumber, boxes, packing materials, etc.

2. Storm Water Pollution Prevention Plan

The permittee shall develop and implement a SWPPP for the facility, which is the source of wastewater and storm water discharges, covered by this permit. The plan shall be directed toward reducing those pollutants of concern which discharge to surface waters and shall be prepared in accordance with good engineering and good housekeeping practices. For the purposes of this permit, pollutants of concern shall be limited to toxic pollutants, as defined above, known to the discharger. The plan shall address all activities which could or do contribute these pollutants to the surface water discharge, including process, treatment, and ancillary activities.

a. Signatory Authority & Management Responsibilities

The SWPPP shall be signed by permittee or their duly authorized representative in accordance with rule 62-620.305(2)(a) and (b). The SWPPP shall be reviewed by plant environmental/engineering staff and plant manager. Where required by Chapter 471-(P.E.) or Chapter 492 (P.G.) Florida Statutes, applicable portions of the SWPPP shall be signed and sealed by the professional(s) who prepared them.

A copy of the plan shall be retained at the facility and shall be made available to the permit issuing authority upon request.

The SWPPP shall contain a written statement from corporate or plant management indicating management's commitment to the goals of the BMP program. Such statements shall be publicized or made known to all facility employees. Management shall also provide training for the individuals responsible for implementing the SWPPP.

b. SWPPP Requirements

- (1) A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.
- (2) A site map showing:
 - (a) The storm water conveyance and discharge structures;
 - (b) An outline of the storm water drainage areas for each storm water discharge point;
 - (c) Paved areas and buildings;
 - (d) Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates;
 - (e) Location of existing or future storm water structural control measures/practices (dikes, coverings, detention facilities, etc.);
 - (f) Surface water locations and/or municipal storm drain locations;
 - (g) Areas of existing and potential soil erosion;
 - (h) Vehicle service areas; and
 - (i) Material loading, unloading, and access areas.
- (3) A narrative description of the following:
 - (a) The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - (b) Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;
 - (c) Existing or future structural and non-structural control measures/practices to reduce pollutants in storm water discharges;
 - (d) Industrial storm water discharge treatment facilities;

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- (e) Methods of onsite storage and disposal of significant materials;
 - (f) Overall objectives (both short-term and long-term) and scope of the plan, specific reduction goals for pollutants, anticipated dates of achievement of reduction, and a description of means for achieving each reduction goal;
 - (g) A description of procedures relative to spill prevention, control & countermeasures and a description of measures employed to prevent storm water contamination;
 - (h) A description of practices involving preventive maintenance, housekeeping, recordkeeping, inspections, and plant security; and
 - (i) The description of a waste minimization assessment performed in accordance with the conditions outlined in condition c below, results of the assessment, and a schedule for implementation of specific waste reduction practices.
- (4) A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.
 - (5) An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
 - (6) A summary of existing sampling data describing pollutants in storm water discharges.

c. Waste Minimization Assessment

The permittee is encouraged but not required to conduct a waste minimization assessment (WMA) for this facility to determine actions that could be taken to reduce waste loading and chemical losses to all wastewater and/or storm water streams as described in Part VII.D.2 of this permit.

If the permittee elects to develop and implement a WMA, information on plan components can be obtained from the Department's Industrial Wastewater website, or from:

Florida Department of Environmental Protection
Industrial Wastewater Section, Mail Station 3545
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(850) 245-8589
(850) 245-8669 – Fax

d. Pollution Prevention Committee:

A pollution prevention committee within the plant organization shall be appointed. These members shall be responsible for developing the SWPPP and assisting the plant manager in its implementation, maintenance, and revision.

e. Employee Training

- (1) The permittee shall describe the storm water employee training program for the facility. The description shall include the topics to be covered, such as spill response, good housekeeping and material management practices, and shall identify periodic dates (e.g., every 6 months during the months of July and January) for such training. The permittee shall provide employee training for all employees and contractors that work in areas where industrial materials or activities are exposed to storm water, and for employees that are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance people). The employee training shall inform facility personnel and contractors of the components and goals of the facility SWPPP.
- (2) Each employee and contractor that works in an areas where industrial materials or activities are exposed to storm water, and each employee that is responsible for implementing activities identified in the SWPPP shall undergo training at least once a year. Training records shall include trainee's name, signature, date of training and topics covered. Records shall be retained on-site for a minimum of three years.

f. Plan Development & Implementation

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- (1) The SWPPP shall be developed and implemented 18 months after the effective date of this permit, unless any later dates are specified in this permit. Any portion of the SWPPP which is ongoing at the time of development or implementation shall be described in the plan. Any waste reduction practice which is recommended for implementation over a period of time shall be identified in the plan, including a schedule for its implementation.
 - (2) The personnel named in the SWPPP shall perform and document a quarterly visual observation of a storm water discharge associated with industrial activity from each outfall. The visual observation shall be made during daylight hours. If no storm event resulted in runoff during daylight hours from the facility during a monitoring quarter, the permittee is excused from the visual observation requirement for that quarter, provided the permittee documents in their records that no runoff occurred. The permittee shall sign and certify the documentation.
 - (3) The personnel named in the SWPPP shall conduct visual observations on samples collected as soon as practical, but not to exceed 1 hour of when the runoff begins discharging from the facility. All samples must be collected from a storm event discharge that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The observation shall document: color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution.
 - (4) The permittee shall maintain visual observation reports onsite with the SWPPP for a minimum of three years. The report must include the observation date and time, inspection personnel, nature of the discharge (i.e., runoff), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.
 - (5) At least once a year the personnel named in the SWPPP shall verify that the description of potential pollutant sources required under this permit is accurate; the site map as required in the SWPPP has been updated or otherwise modified to reflect current conditions; and the controls to reduce pollutants in storm water discharges associated with industrial activity identified in the SWPPP are being implemented and are adequate.
- g. Submission of Plan Summary & Progress/Update Reports
- (1) Plan Summary: Not later than 2 years after the effective date of the permit, a summary of the SWPPP shall be developed and maintained at the facility and made available to the permit issuing authority upon request. The summary should include the following: a brief description of the plan, its implementation process, schedules for implementing identified waste reduction practices, and a list of all waste reduction practices being employed at the facility. The results of waste minimization assessment studies already completed as well as any scheduled or ongoing WMA studies shall be discussed.
 - (2) Progress/Update Reports: Annually thereafter for the duration of the permit progress/update reports documenting implementation of the plan shall be maintained at the facility and made available to the permit issuing authority upon request. The reports shall discuss whether or not implementation schedules were met and revise any schedules, as necessary. The plan shall also be updated as necessary and the attainment or progress made toward specific pollutant reduction targets documented. Results of any ongoing WMA studies as well as any additional schedules for implementation of waste reduction practices shall be included.
 - (3) A timetable for the various plan requirements follows:

Timetable for SWPPP Requirements:

<u>REQUIREMENT</u>	<u>TIME FROM EFFECTIVE DATE OF THIS PERMIT</u>
Complete SWPPP	18 months
Complete Plan Summary	2 years
Progress/Update Reports	3 years, and then annually thereafter

The permittee shall maintain the plan and subsequent reports at the facility and shall make the plan available to the Department upon request.

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h. Plan Review & Modification

If following review by the Department, the SWPPP is determined insufficient, the permittee will be notified that the SWPPP does not meet one or more of the minimum requirements of this Part. Upon such notification from the Department, the permittee shall amend the plan and shall submit to the Department a written certification that the requested changes have been made. Unless otherwise provided by the Department, the permittee shall have 30 days after such notification to make the changes necessary.

The permittee shall modify the SWPPP whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to waters of the State or if the plan proves to be ineffective in achieving the general objectives of reducing pollutants in wastewater or storm water discharges. Modifications to the plan may be reviewed by the Department in the same manner as described above.

The permittee may incorporate applicable portions of plans prepared for other purposes. Plans or portions of plans incorporated into a SWPPP become enforceable requirements of this permit.

VIII. OTHER SPECIFIC CONDITIONS

A. Specific Conditions Applicable to All Permits

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
2. The permittee shall provide verbal notice to the Department's Southeast District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, or wastewater sludges. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southeast District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

B. Specific Conditions Related to Construction

This section is not applicable to this facility.

C. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

[62-620.625(1)]

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D. Reopener Clauses

1. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345 F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
 - a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;
 - b. Controls any pollutant not addressed in the permit.

The permit as revised or reissued under this paragraph shall contain any other requirements then applicable.

2. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, EPA established Total Maximum Daily Loads (TMDLs), or other information show a need for a different limitation or monitoring requirement.
3. The Department or EPA may develop a TMDL during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.
4. The permit shall be reopened for revision as appropriate to address new information that was not available at the time of this permit issuance or to comply with requirements of new regulations, standards, or judicial decisions relating to CWA 316(b).

E. Duty to Reapply

1. The Permittee is not authorized to discharge to waters of the State after the expiration date of this permit, unless:
 - a. the Permittee has applied for renewal of this permit at least 180 days before the expiration date (January 22, 2015) using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. the Permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1)-(4), F.A.C.]

2. When publishing Notice of Draft and Notice of Intent in accordance with Rules 62-110.106 and 62-620.550, F.A.C., the permittee shall publish the notice at its expense in a newspaper of general circulation in the county or counties in which the activity is to take place either
 - a. Within thirty days after the permittee has received a notice; or
 - b. Within thirty days after final agency action.

Failure to publish a notice is a violation of this permit.

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or

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conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]

3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or

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terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s)

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being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

- 19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
- 20. The permittee shall report to the Department's Tallahassee any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - a. The following shall be included as information which must be reported within 24 hours under this condition:
 - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - (4) Any unauthorized discharge to surface or ground waters.
 - b. Oral reports as required by this subsection shall be provided as follows:
 - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
 - (a) Name, address, and telephone number of person reporting;
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - (e) Estimated amount of the discharge;
 - (f) Location or address of the discharge;
 - (g) Source and cause of the discharge;
 - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - (i) Description of area affected by the discharge, including name of water body affected, if any; and
 - (j) Other persons or agencies contacted.
 - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Tallahassee within 24 hours from the time the permittee becomes aware of the circumstances.
 - c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Tallahassee shall waive the written report.

[62-620.610(20)]

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21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20 of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Permit Condition IX. 22. b. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. a. 1 through 3 of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.5. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

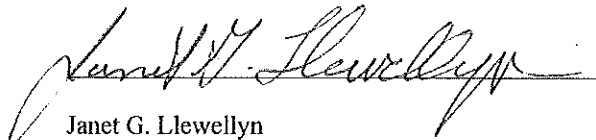
[62-620.610(23)]

PERMITTEE: Florida Power and Light
FACILITY: Port Everglades Power Plant

PERMIT NUMBER: FL0001538 (Major)
EXPIRATION DATE: July 21, 2015

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Janet G. Llewellyn
Director
Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
(850) 245-8336

Attachment(s):
Discharge Monitoring Report
Monitor Well Completion Report

2nd AMENDMENT TO THE FACT SHEET
AT THE TIME OF PROPOSED PERMIT ISSUANCE

DATE: July 14, 2010

PERMIT NUMBER: FL0001538

PERMITTEE: Florida Power & Light Company
Port Everglades Plant

I. Comments by the Permittee Requesting Changes to the Proposed Permit

The Permittee requested the following changes to the Proposed Permit and Fact Sheet in an email correspondence to the Department dated February 10, 2010 (received via regular mail February 11, 2010). Department comments are ordered to the corresponding comments provided by the permittee. These revisions do not change any effluent limitations or discharge requirements. All items addressed below are considered minor revisions to the permit.

On January 19, 2010 the petitioner, Florida Power & Light Company, was granted an extension of time by the Department's Office of General Counsel to provide comments on the Notice of Intent up to February 10, 2010.

Permit:

1. DEP Comment 14, Amendment to the Fact Sheet, permit condition I.B.7, page 10 of the proposed permit. The previous comment included in the Amendment to the Fact Sheet issued with the Notice of Intent (Mailed December 16, 2009) intended to state, "The permittee shall maintain the current intake through-screen velocity such that the existing maximum velocity is not exceeded." The clarification was added to the permit as condition I.D.20. Through-screen velocity parameter removed from table I.B.7.
2. Page 2, Reuse or Disposal, Outfall D-01B1. The permittee requested that stormwater outfall D-01B1 be considered an internal outfall rather than a surface water outfall. This outfall is upstream of the POD, and not considered Waters of the State as detailed in the fact sheet. The Department concurs with the request to change the designation from D-01B1 to I-01B1. Additionally, the following changes were also made to the permit: permit conditions I.A.12-I.A.16 moved to section I.B, Internal Outfalls, as conditions I.B.16-I.B.20; outfall designation D-01B1 in permit condition I.B.16(formerly I.A.12) changed to I-01B1; permit condition I.A.12 referenced in permit condition I.B.17(formerly I.A.13) changed to I.B.16; conditions I.A.15 and I.A.16 referenced in "Notes" section of permit condition I.B.16 (formerly I.A.12) were changed to I.B.19, and I.B.20, respectively; and references to outfall D-01B1 changed to I-01B1 in permit conditions I.D.19 (formerly I.D.18) and IV.6.
3. Page 14, Condition I.D.14 (formerly I.D.13). The permittee requested a change to the sodium metabisulfate RO feed water concentration from "1 mg or less" to "3 mg or less". The Department's Toxicity Coordinator reviewed and concurred with the requested change.
4. Page 19, Condition VI.2. The permittee requested a change in the timeline to "develop and implement SWPPP" from 6 months from permit issuance to two years to be consistent with permit conditions VII.2.g.(1) and VII.2.g.(3). The Department agreed to 18 months for this timeline. To provide clarification the Department changed the timetable in permit condition VII.2.g.(3), revising "Complete SWPPP" to 18 months from two years, and adding "Complete Plan Summary" with a time limit of 2 years. Permit condition VI.2 was changed to include the revised schedule contained in condition VII.2.g.(3).
5. Page 20 (previously page 19), Condition VI.5. The permittee requested the condition be eliminated or changed to allow the submission of representative pump curves for the facility's circulating water pumps in lieu of conducting testing to provide data. The Department revised the condition to allow for representative curves to be submitted.
6. Page 22, Condition VII.2.f.(1). The permittee requested a change in the timeline to "develop and implement SWPPP" from 6 months from permit issuance to two years to be consistent with comment 4 above. The Department agreed to 18

months for this timeline. To provide clarification the Department changed the timetable in permit condition VII.2.g.(3), revising "Complete SWPPP" to 18 months from two years, and adding "Complete Plan Summary" with a time limit of 2 years. Permit condition VI.2 was changed to include the revised schedule contained in condition VII.2.g.(3).

The Permittee requested the following changes to the Proposed Permit and Fact Sheet in an email correspondence to the Department dated June 22, 2010. Department comments are ordered to the corresponding comments provided by the permittee. These revisions do not change any effluent limitations or discharge requirements.

7. Page 1. Address typographical error corrected.
8. Page 1, Reuse or Disposal, Surface Water Discharge D-001. The permittee requested to change the average daily flow from 1228 MGD to 1295 MGD, however, 1295 MGD is the permitted maximum daily flow. The maximum flow was included in the narrative description.
9. Page 2, Reuse or Disposal, Internal Outfalls I-111 and I-112. The Department agreed to clarify and revise flow rates for both internal outfalls from 115 MGD to 230 MGD. 115 MGD is the maximum flow rate for a single pump, however, each unit employs dual pumps therefore the change to 230 MGD is warranted.
10. Page 2, Reuse or Disposal, Internal Outfalls I-113 and I-114. The Department agreed to clarify and revise flow rates for both internal outfalls from 198 MGD to 396 MGD. 198 MGD is the maximum flow rate for a single pump, however, each unit employs dual pumps therefore the change to 396 MGD is warranted.
11. Page 3, Condition I.A.1. Note reference for Nickel corrected from I.A.6 to I.A.5.
12. Page 7. Number reference "12" removed.
13. See Item 1 above.
14. See Item 3 above.
15. Page 14-15, Condition I.D.15 (formerly I.D.14). Permittee requested language be removed in reference to cooling ponds. The final paragraph was revised to provide clarification.
16. Page 17, Condition III.10. Permittee's request to change the compliance well limit for fluoride from 4.0 mg/l to 5.0 mg/l is denied. The limit of 5.0 mg/l is the Class III Marine surface water criteria not applicable to groundwater discharges. The limit of 4.0 mg/l is in accordance with the MCL contained in Rule 62-550, F.A.C.
17. See Items 4 and 6 above.
18. Page 20, Condition VI.5. The Department acknowledges receipt of representative pump curves as required by condition VI.5 in an email dated June 16, 2010. See Item 5 above.

II. Other Changes by the Department

1. Page 12-13, Condition I.D.3. The Department updated standard language within the condition.
2. Page 17, Condition III.10. The compliance well limit for arsenic was updated from 0.05 mg/L to 0.010 mg/L in accordance with the MCL contained in Rules 62-550, 62-550.310(1)(c), and Table 1, F.A.C.

Fact Sheet:

Corresponding changes to permit conditions referenced within the Fact Sheet resulting from changes to the permit enumerated above are noted.

III. Comments by USEPA Region IV Requesting Changes to the Proposed Permit and Fact Sheet

The EPA provided comment on Amendment to the Fact Sheet comment 4, in regards to changing the outfall designation D-019, Intake Screen Washwater, to an internal outfall designation "I-019" in an email dated December 31, 2009. The intake canal was previously determined not to be Waters of the State. Copies of documentation in the administrative record supporting the request were forwarded to the EPA. The EPA agreed that the basis for change was valid and not considered back-sliding in an email response dated January 21, 2010.

IV. Other Comments

No comments were received from the public or from other governmental agencies.

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3351, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

FPL - Port Everglades
P.O. Box 13118
Ft Lauderdale, Florida

FL0001538-007-IWIS

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From:

Monthly Industrial

NO DISCHARGE FROM SITE. ☐ From: MONITORING PERIOD

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹ See permit condition I.B.10.

² See permit condition I.A.5.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft Lauderdale, Florida 33316

PERMIT NUMBER:

FL0001538-007-1W/IS

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP
DESCRIPTION:

Final
MA
D-001

REPORT:
PROGRAM:

Toxicity
Industrial

POD-Combined OTCW discharge to state waters

COUNTY: Broward

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD

OFFICE: Southeast District

To: _____

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
7-DAY CHRONIC STATRE ¹ Mysidopsis bahia(Routine)	Sample						
PARM Code TRP3E P	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	Quarterly	24-hr FPC
7-DAY CHRONIC STATRE ¹ Mysidopsis bahia(Additional)	Sample						
PARM Code TRP3E Q	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	As needed	As required by the permit
7-DAY CHRONIC STATRE ¹ Mysidopsis bahia(Additional)	Sample						
PARM Code TRP3E R	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	As needed	As required by the permit
7-DAY CHRONIC STATRE ¹ Mendiola beryllina(Routine)	Sample						
PARM Code TRP6B P	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	Quarterly	24-hr FPC
7-DAY CHRONIC STATRE ¹ Mendiola beryllina(Additional)	Sample						
PARM Code TRP6B Q	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	As needed	As required by the permit
7-DAY CHRONIC STATRE ¹ Mendiola beryllina(Additional)	Sample						
PARM Code TRP6B R	Measurement						
Mon. Site No. EFF-5	Permit Requirement		100 (Min.)		percent	As needed	As required by the permit

*IF A THIRD ADDITIONAL TEST IS REQUIRED, ENTER THE RESULT ON A SEPARATE TOXICITY DMR, AND CHANGE THE PARM CODE FROM "Q" TO "S"

**ENTER NODI=C IN THE RESULTS COLUMN IF NO DISCHARGE OCCURRED DURING THIS REPORTING PERIOD.

ENTER NODI=9 IN THE RESULTS COLUMN FOR EACH TEST THAT IS NOT REQUIRED.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

³ See permit condition I.A.4.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: PPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft. Lauderdale, Florida 33316

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

COUNTY: Broward
OFFICE: Southeast District

PERMIT NUMBER: FL0001538-007-1W1S
LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: POD-Combined OTCW discharge to state waters
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD: From: To:

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Aluminum, Total Recoverable	Sample Measurement							
PARM Code 01104 1	Permit Requirement			1.5 (Mo. Avg.)	1.5 (Day Max.)		Semi-Annually, twice per year	Grab
Mon. Site No. EFF-5	Sample Measurement							
Arsenic, Total Recoverable	Sample Measurement							
PARM Code 00978 1	Permit Requirement			36 (Mo. Avg.)	36 (Day Max.)		Semi-Annually, twice per year	Grab
Mon. Site No. EFF-5	Sample Measurement							
Cadmium, Total Recoverable	Sample Measurement							
PARM Code 01113 1	Permit Requirement			9.3 (Mo. Avg.)	9.3 (Day Max.)		Semi-Annually, twice per year	Grab
Mon. Site No. EFF-5	Sample Measurement							
Copper, Total Recoverable ¹ (Effluent - first analysis)	Sample Measurement							
PARM Code 01119 1	Permit Requirement			Report (Mo. Avg.)	Report (Day Max.)		Semi-Annually, twice per year	Grab
Mon. Site No. EFF-5	Sample Measurement							
Copper, Total Recoverable (Intake - first analysis)	Sample Measurement							
PARM Code 01119 G	Permit Requirement				Report (Day Max.)		Semi-Annually, twice per year	24-hour FPC
Mon. Site No. SWB-1	Sample Measurement							
Copper, Total Recoverable (Calculated limit)	Sample Measurement							
PARM Code 01119 P	Permit Requirement				Report (Day Max.)		Semi-Annually, twice per year	Calculated
Mon. Site No. EFF-5	Sample Measurement							
Copper, Total Recoverable (Effluent minus calculated limit)	Sample Measurement							
PARM Code 01119 Q	Permit Requirement				0.0 (Day Max.)		Semi-Annually, twice per year	Calculated
Mon. Site No. EFF-5	Sample Measurement							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

¹ See permit condition 1.A.6.

FACILITY: FPL - Port Everglades Power Plant

DISCHARGE MONITORING REPORT - PART A (Continued)

D-001

PERMIT NUMBER: FL0001538-007-1W1S

MONITORING GROUP NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Oxygen, Dissolved (DO) ⁵ (effluent)	Measurement							
PARM Code 00300 1 Mon. Site No. EFF-5	Permit Requirement		Report (Day/Min.)	Report (Mo.Avg.)	mg/L		Semi-Annually; twice per year	Grab
Oxygen, Dissolved (DO) (background)	Sample							
PARM Code 00300 5 Mon. Site No. SWB-1	Permit Requirement		Report (Day/Min.)		mg/L		Semi-Annually; twice per year	Grab
Oxygen, Dissolved (DO) (calculated limit)*	Sample							
PARM Code 00300 P Mon. Site No. EFF-5	Permit Requirement		Report (Day/Min.)		mg/L		Semi-Annually; twice per year	Grab
Oxygen, Dissolved (DO) (effluent minus calculated limit)	Sample							
PARM Code 00300 Q Mon. Site No. EFF-5	Permit Requirement		0.00 (Day/Min.)		mg/L		Semi-Annually; twice per year	Grab
Fluoride, Dissolved (as F)	Sample							
PARM Code 00950 1 Mon. Site No. EFF-5	Permit Requirement			5.0 (Mo.Avg.)	5.0 (Day/Max.)	mg/L	Semi-Annually; twice per year	Grab
Iron, Total Recoverable	Sample							
PARM Code 00980 1 Mon. Site No. EFF-5	Permit Requirement			0.3 (Mo.Avg.)	0.3 (Day/Max.)	mg/L	Semi-Annually; twice per year	Grab
Lead, Total Recoverable	Sample							
PARM Code 01114 1 Mon. Site No. EFF-5	Permit Requirement			5.6 (Mo.Avg.)	5.6 (Day/Max.)	ug/L	Semi-Annually; twice per year	Grab

*Calculated limit: Enter the intake D.O. concentration unless the intake D.O. is greater than the applicable Water Quality Criteria, in which case enter the WQC.

⁵ See permit condition 1.A.7.

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: FPL - Port Everglades Power Plant

MONITORING GROUP NUMBER: D-001

PERMIT NUMBER: FL0001538-007-1W/1S

To: _____

From: _____

MONITORING PERIOD

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Mercury, Total Recoverable	Sample Measurement							
PARM Code 71901 1	Permit Requirement			0.025 (Mo.Avg.)	0.025 (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							
Nickel, Total Recoverable (Effluent - first analysis)	Sample Measurement							
PARM Code 01074 1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							
Nickel, Total Recoverable (Intake - first analysis)	Sample Measurement							
PARM Code 01074 G	Permit Requirement				Report (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. SWB-1	Sample							
Nickel, Total Recoverable (Calculated limit)	Sample Measurement							
PARM Code 01074 P	Permit Requirement				Report (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							
Nickel, Total Recoverable (Effluent minus calculated limit)	Sample Measurement							
PARM Code 01074 Q	Permit Requirement				0.0 (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							
Selenium, Total Recoverable	Sample Measurement							
PARM Code 00981 1	Permit Requirement			71 (Mo.Avg.)	71 (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							
Zinc, Total Recoverable	Sample Measurement							
PARM Code 01094 1	Permit Requirement			86 (Mo.Avg.)	86 (Day.Max.)		Semi-Annually; twice per year	Grab
Mon. Site No. EFF-5	Sample							

* See permit condition I.A.6.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
FLAuderdale, Florida 33316
PERMIT NUMBER: FL0001538-007-1W/1S

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316
LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-00B3
MONITORING GROUP DESCRIPTION: stormwater from diked petroleum storage or handling areas

COUNTY: Broward
OFFICE: Southeast District
REPORT PROGRAM: Monthly Industrial

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
		Report (Day Ave.)	Report (Day Max.)							
PARM Code 50050 1 Mon. Site No. FLW-12 Petrol Hydrocarbons, Total Recoverable	Permit Requirement			MGD					Weekly	Calculated
PARM Code 45501 1 Mon. Site No. EFF-9 Turbidity (effluent)	Permit Requirement				5.0 (Day Ave.)	5.0 (Day Max.)	mg/L		Monthly	Grab
PARM Code 00070 1 Mon. Site No. EFF-9 Turbidity (background)	Permit Requirement						NTU		Monthly	Grab
PARM Code 00070 5 Mon. Site No. SWB-1 Turbidity (calculated limit)	Permit Requirement						Report (Max.)		Monthly	Grab
PARM Code 00070 P Mon. Site No. EFF-9 Turbidity (effluent minus calculated limit)	Permit Requirement						Report (Max.)		Monthly	Calculated
PARM Code 00070 Q Mon. Site No. EFF-9	Permit Requirement						0.0 (Max.)	NTU	Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

⁷ See permit condition 1.A.11.

PERMIT NUMBER: FL0001538-007-IWIS

[illegible]

* See permit condition I.A.12.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 5551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft. Lauderdale, Florida 33316

PERMIT NUMBER:

FL0001538-007-1W1S

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD

Final
MA
I-01B1

REPORT:
PROGRAM: Monthly
Industrial

Equipment area stormwater system discharge to discharge canal

COUNTY: Broward
OFFICE: Southeast District

From:

To:

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow ⁹	Sample Measurement						
PARM Code 50050 1	Permit Requirement	MGD				Per discharge	Calculated
Mon. Site No. FLW-11	Report (Mo.Avg.)						
Oil and Grease ⁹	Sample Measurement						
PARM Code 00556 1	Permit Requirement					Per discharge	Grab
Mon. Site No. EFF-8	Report (Day.Max.)						
Solids, Total Suspended ⁹	Sample Measurement						
PARM Code 00530 1	Permit Requirement					Per discharge	Grab
Mon. Site No. EFF-8	Report (Mo.Avg.)						
Hydrazine ¹⁰	Sample Measurement						
PARM Code 81313 1	Permit Requirement					Per discharge	Grab
Mon. Site No. EFF-8	Report (Day.Max.)						
pH ⁹	Sample Measurement						
PARM Code 00400 1	Permit Requirement					Per discharge	Grab
Mon. Site No. EFF-8	Report (Day.Min.)						

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

⁹ See permit condition I.A.16.
¹⁰ See permit condition I.A.17.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32309-12400

PERMITTEE NAME:
MAILING ADDRESS:

FPL - Port Everglades
P.O. Box 13118
Ft Lauderdale, Florida 33316

FACILITY:
LOCATION:

FPL - Port Everglades Power Plant
8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

LIMIT:
CLASS SIZE:
MONITORING GRO
MONITORING GRO
RE-SUBMITTED DN
NO DISCHARGE FR
MONITORING PERI

LIMIT: _____
 CLASS SIZE: _____
 MONITORING GROUP NUMBER: _____
 MONITORING GROUP DESCRIPTION: _____
 RE-SUBMITTED DMR: ☐ _____
 NO DISCHARGE FROM SITE: ☐ _____
 MONITORING PERIOD From: _____

Final
MA
I-012
Water Treatment System

REPORT: Semi-annually
PROGRAM: Industrial

COUNTY: Broward

NO DISCHARGE FROM SITE: ☐ From: _____ To: _____

MONITORING PERIOD

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹¹ See permit condition I.B.3.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: PPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Fort Lauderdale, Florida 33316

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

COUNTY: Broward
OFFICE: Southeast District

PERMIT NUMBER: FL0001538-007-1W/1S
LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: 1-016
MONITORING GROUP DESCRIPTION: Boiler Blowdown
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration		Units	No.	Frequency	Sample Type
Flow	Measurement						Ex.	of Analysis	
PARM Code 50050 1	Permit Requirement	Report (Mo. Avg.)	MGD					Daily, 24 hours	Calculated
Mon. Site No. FLW-10	Sample								
Flow, Total Volume	Measurement								
PARM Code 82220 1	Permit Requirement	Report (Mo. Avg.)	Mgal					Monthly	Calculated
Mon. Site No. EFF-6	Sample								
Solids, Total Suspended	Measurement								
PARM Code 00530 1	Permit Requirement								
Mon. Site No. EFF-6	Sample								
Oil and Grease	Measurement								
PARM Code 00556 1	Permit Requirement								
Mon. Site No. EFF-6	Sample								
Hydrazine ¹²	Measurement								
PARM Code 81313 1	Permit Requirement								
Mon. Site No. EFF-6	Sample								
pH	Measurement								
PARM Code 00400 1	Permit Requirement								
Mon. Site No. EFF-6	Sample								

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹²See permit condition 1.B.6.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-3400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft Lauderdale, Florida 33316

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

COUNTY: Broward
OFFICE: Southeast District

PERMIT NUMBER: FL0001538-007-IW1S

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: I-111
MONITORING GROUP DESCRIPTION: Once-Through Non-Contact Cooling Water for Unit 1
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT: Monthly
PROGRAM: Industrial

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50050 1 Mon. Site No. FLW-1	Permit Requirement	Report (Mo.Avg.)	MGD	Report (Day.Max.)			Continuous	Calculated
Temperature (F), Water ¹³	Sample Measurement							
PARM Code 00011 1 Mon. Site No. EFF-1	Permit Requirement			Report (Mo.Avg.)	Deg F (Day.Max.)		Continuous	Recorder
Temp. Diff. between Intake and Discharge ¹³	Sample Measurement							
PARM Code 61576 7 Mon. Site No. INT-1, EFF-1	Permit Requirement			Report (Mo.Avg.)	Deg F (Day.Max.)		6/Day	Calculated
Oxidants, Total Residual ¹⁴	Sample Measurement							
PARM Code 34044 1 Mon. Site No. EFF-1	Permit Requirement			0.20 (Mo.Avg.)	0.20 (Day.Max.)		Weekly	Grab
Chlorination	Sample Measurement							
PARM Code 50068 7 Mon. Site No. INT-1	Permit Requirement			120 (Mo.Avg.)	120 (Day.Max.)		Daily, 24 hours	Pump Logs

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹³ See permit condition I.B.9.

¹⁴ See permit condition I.B.10.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2660 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft Lauderdale, Florida 33316

PERMIT NUMBER:

FL0001538-007-1W1S

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: I-112
MONITORING GROUP DESCRIPTION: Once-Through Non-Contact Cooling Water for Unit 2
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT: Monthly
PROGRAM: Industrial

COUNTY: Broward
OFFICE: Southeast District

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Measurement							
PARM Code 50050 1	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Calculated
Mon. Site No. FLW-2	Sample	Report (Day.Max.)						
Temperature (F), Water ¹⁵	Measurement							
PARM Code 00011 1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	Deg F	Continuous	Recorder
Mon. Site No. EFF-2	Sample							
Temp. Diff. between Intake and Discharge ¹⁵	Measurement							
PARM Code 61576 7	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	Deg F	6/Day	Calculated
Mon. Site No. INT-2, EFF-2	Sample							
Oxidants, Total Residual ¹⁶	Measurement							
PARM Code 34044 1	Permit Requirement			0.20 (Mo.Avg.)	0.20 (Day.Max.)	mg/L	Weekly	Grab
Mon. Site No. EFF-2	Sample							
Chlorination	Measurement							
PARM Code 50068 7	Permit Requirement			120 (Mo.Avg.)	120 (Day.Max.)	min/day	Daily, 24 hours	Pump Logs
Mon. Site No. INT-2	Sample							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹⁵ See permit condition I.B.9.
¹⁶ See permit condition I.B.10.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft Lauderdale, Florida 33316

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

COUNTY: Broward
OFFICE: Southeast District

PERMIT NUMBER: FL0001538-007-IW1S

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: I-113
MONITORING GROUP DESCRIPTION: Once-Through Non-Contact Cooling Water for Unit 3

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT: Monthly
PROGRAM: Industrial

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement						
PARM Code 50050 1 Mon. Site No. FLW-3	Report (Mo.Avg.)	MGD				Continuous	Calculated
Temperature (F), Water ¹⁷	Sample Measurement						
PARM Code 00011 1 Mon. Site No. EFF-3	Report (Mo.Avg.)					Continuous	Recorder
Temp. Diff. between Intake and Discharge ¹⁷	Sample Measurement						
PARM Code 61576 7 Mon. Site No. INT-3, EFF-3	Report (Mo.Avg.)					6/Day	Calculated
Oxidants, Total Residual ¹⁸	Sample Measurement						
PARM Code 34044 1 Mon. Site No. EFF-3	Report (Mo.Avg.)					Weekly	Grab
Chlorination	Sample Measurement						
PARM Code 50068 7 Mon. Site No. INT-3	Report (Mo.Avg.)					Daily, 24 hours	Pump Logs

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹⁷ See permit condition I.B.9.

¹⁸ See permit condition I.B.10.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118
Ft Lauderdale, Florida 33316

PERMIT NUMBER: FL0001538-007-1W1S

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: 1-114
MONITORING GROUP DESCRIPTION: Once-Through Non-Contact Cooling Water for Unit 4
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

COUNTY: Broward
OFFICE: Southeast District

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Measurement							
PARM Code 50050 1	Permit Requirement	Report (Mo.Ave)	MGD				Continuous	Calculated
Mon. Site No. FLW-4	Sample	Report (Day/Max)						
Temperature (F), Water ¹⁹	Measurement							
PARM Code 09011 1	Permit Requirement			Report (Mo.Ave)	Report (Day/Max)	Deg F	Continuous	Recorder
Mon. Site No. EFF-4	Sample							
Temp. Diff. between Intake and Discharge ¹⁹	Measurement							
PARM Code 61576 7	Permit Requirement			Report (Mo.Ave)	Report (Day/Max)	Deg F	6/Day	Calculated
Mon. Site No. INT-4	Sample							
EFF-4	Measurement							
Oxidants, Total Residual ²⁰	Sample							
PARM Code 34044 1	Permit Requirement			0.20 (Mo.Ave)	0.20 (Day/Max)	mg/L	Weekly	Grab
Mon. Site No. EFF-4	Sample							
Chlorination	Measurement							
PARM Code 50068 7	Permit Requirement			120 (Mo.Ave)	120 (Day/Max)	min/day	Daily, 24 hours	Pump Logs
Mon. Site No. INT-4	Sample							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

¹⁹ See permit condition I.B.9.
²⁰ See permit condition I.B.10.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118

PERMIT NUMBER: FL0001538-007-IW1S

Ft Lauderdale, Florida 33316

LIMIT: Final
 CLASS SIZE: MA
 REPORT: Monthly
 PROGRAM: Industrial

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

MONITORING GROUP NUMBER: _____
 MONITORING GROUP DESCRIPTION: _____
 RE-SUBMITTED DMR: ☐
 NO DISCHARGE FROM SITE: ☐
 MONITORING PERIOD _____

From: _____ To: _____

I-1D1
 Auxiliary Equipment Cooling Water

COUNTY: Broward
OFFICE: Southeast District

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

²¹ See permit condition I.B.13.

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section MS 3551 2600 Blair Stone Road Tallahassee, FL 32309-2600

FI.0001538-007-1W1S

To:

Monthly
Industrial

Auxiliary Equipment Cooling Water

Monthly Industrial

DATE 10-1-77)

²² See permit condition I.B.13.

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

Monthly Industrial

MA
I-1D3
Auxiliary Equipment Cooling Water FR

To:

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

²³ See permit condition I B.13.

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, 2001 North 1st Avenue, Tallahassee, Florida 32304-2001

FI.0001538-007-IW1S

Monthly
Industrial

To:

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NO

DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

²⁴ See permit condition I.B.13.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: FPL - Port Everglades
MAILING ADDRESS: P.O. Box 13118

PERMIT NUMBER:

FL0001538-007-IWIS

Ft Lauderdale, Florida 33316

LIMIT:

Final

REPORT:

Monthly Industrial

FACILITY: FPL - Port Everglades Power Plant
LOCATION: 8100 Eisenhower Blvd
Fort Lauderdale, FL 33316

CERTAIN SIZE:

MONITORING GROUP NUMBER:

R-001
Percolation Basin (Basin B-2)

RE-SUBMITTED DMR: ☐ ☐

NO DISCIPLINE FROM JILL. ☐ From: _____
MONITORING PERIOD

101

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32309-2400

Ft Lauderdale, Florida 33316

Fort Lauderdale, FL 33316

LIMIT: _____ Final
 CLASS SIZE: _____ MA
 MONITORING GROUP NUMBER: _____ R-002
 MONITORING GROUP DESCRIPTION: _____ Stormwater Basin (Basin B-5)
 RE-SUBMITTED DMR: ☐
 NO DISCHARGE FROM SITE: ☐
 MONITORING PERIOD From: _____ To: _____

MONITORING PERIOD From:

To:

REPORT: Monthly
PROGRAM: Industrial

Monthly Industrial

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NO

DATE (yy/mm/dd)

COMMENT: I AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-IW1S
County: Broward

Monitoring Well ID:	MWB-01
Well Type:	Background
Description:	Monitoring \ west of NW

Report: Quarterly
Program: Industrial

Office: Southeast District

Re-submitted DMR:

From: _____
To: _____

Date Sample Obtained:

Time Sample
Obtained:

Was the well purged before sampling? Yes _____ No _____

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-1W1S
County: Broward

Report: Semi-annually
Program: Industrial

_____ Yes _____ No

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

DATE (yy/mm/dd)

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-1W1S
County: Broward

Report: Quarterly
Program: Industrial

Monitoring Well ID:	MWC-01
Well Type:	Compliance
Description:	Monitoring Well NOB-2A; south of SE corner for B-3

Office: Southeast District

Re-submitted DMR:

Monitoring Period

From: _____

To: _____

Date Sample Obtained: _____

Time Sample
Obtained:

Was the well purged before sampling? Yes _____ No _____

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

DEP Form 62-620.910(10), Effective Nov. 29, 1994

GROUNDWATER MONITORING REPORT - PART D

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-1W1S
County: Broward

Monitoring Well ID:
Well Type:
Description:

Report: Quarterly
Program: Industrial

Office: Southeast District

Re-submitted DMR:

From: _____
To: _____

Date Sample Obtained:

Monitoring Period

Time Sample
Obtained: _____

Was the well purged before sampling?

Yes _____ No _____

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-IW1S
County: Broward

Facility Name:	FPL - Port Everglades
Permit Number:	FL0001538-007-1
County:	Broward
Office:	Southeast District

Monitoring Well ID:	MWC-03	Report:	Quarterly
Well Type:	Compliance	Program:	Industrial
Description:	Monitoring Well NOB-3A (NOB-3A-R), south of overflow area for B-3		
Re-submitted DMR:	☐		

Monitoring Period

From: _____

To: _____

Time Sample Obtained: _____

Was the well purged before sampling? Yes ☐ No ☐

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

Report:	Semi-annually
Program:	Industrial

of overflow area for B-3

From: _____ To: _____

Time Sample _____

Obtained;

Was the well purged before sampling?

Yes _____ No _____

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-IWIS
County: Broward

Office: Southeast District

Monitoring Period

Time Sample
Obtained:

Was the well purged before sampling?

Yes No

From: _____
To: _____

Date Sample
Obtained:

Monitoring Well ID:	MWC-04	Report:	Quarterly
Well Type:	Compliance	Program:	Industrial
Description:	Monitoring Well NOB-3B1, south of overflow area for B-3		
Re-submitted DMR:	☐		

Monitoring Well ID: MWC-04
Well Type: Compliance

Report: Quarterly
Program: Industrial

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NO

DATE (v/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

Facility Name:	FPL - Port Everglades Power Plant
Permit Number:	FL0001538-007-1W1S
County:	Broward

Monitoring Well ID:	MWC-04
Well Type:	Compliance
Description:	Monitoring Well NOB

Office: Southeast District

Monitoring Period

Was the well purged before sampling? ☐ Yes ☐ No

Yes _____ No _____

MW/C-04
Compliance
Monitoring Well NOB
3B1; south of overflow
area for B-3
☐

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
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TELEPHONE NO	DATE (yy/mm/dd)
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Facility Name: FPL - Port Everglades Power Plant
Permit Number: FL0001538-007-IWIS
County: Broward

Monitoring Well ID:	MWC-05	Report:	Quarterly
Well Type:	Compliance	Program:	Industrial
Description:	Monitoring Well D-1A; south of SE corner for B-		

Office: Southeast District

Monitoring Period

From: _____

To: _____

Date Sample Obtained: _____

Was the well purged before sampling?	Yes	No
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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions as well as the SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS	CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.	NOD	No discharge from/to site.
DRY	Dry Well	OPS	Operations were shutdown so no sample could be taken.
FLD	Flood disaster.	OTH	Other. Please enter an explanation of why monitoring data were not available.
IFS	Insufficient flow for sampling.	SEF	Sampling equipment failure.
LS	Lost sample.		
MNR	Monitoring not required this period.		

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g. < 0.001 . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements: one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

APPENDIX 10.6.7

**BROWARD COUNTY
INDUSTRIAL WASTEWATER FACILITY
LICENSE NO. IW-2010-0134**



Environmental Protection and Growth Management Department
DEVELOPMENT AND ENVIRONMENTAL REGULATION DIVISION
One N. University Drive, Suite 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

LICENSE TO OPERATE DIRECT DISCHARGE FROM NON-DOMESTIC ACTIVITY

License Number: IW-2010-0134

Applicant:

Jeffrey A. Smith, General Plant Manager
FPL Port Everglades
PO BOX 13118
Fort Lauderdale, FL

Facility Number: 01916

FP&L - Port Everglades Plant
8100 EISENHOWER BLVD
Fort Lauderdale, FL 33316

This license is issued under the provisions of Chapter 27 of the Broward County Code of Ordinances hereinafter called the Code. The above-named applicant, hereinafter called Licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawings, plans, documents, and specifications submitted by Licensee and made a part hereof and described specifically below. If no objection to this license is received within 14 days, the Licensee will be deemed to have accepted it and all the attached terms and conditions.

ALL GENERAL CONDITIONS and SPECIFIC CONDITIONS, on the back of the license or as attached, are considered to constitute the requirements of this license. The Licensee is required to fully comply with all these conditions. Any failure to comply with conditions or requirements as set forth may result in revocation or suspension of this license and may subject the Licensee to enforcement action in accordance with the provisions of Article 1, Division 4 of the Code.

To Operate: A direct discharge non-domestic wastewater treatment and disposal system as detailed on description page 3.

In Accordance With: BCDER license application received December 21, 2009 (none attached)

The licensee shall maintain his discharge within the effluent limits for the parameters listed on page 3 in addition to all others required by applicable Local, State or Federal Regulations. Licensee sampling is required at the frequency and locations described on analysis requirements pages 2 and 3.

Subject to General Conditions 1 through 11 and Specific Conditions.

Prepared By: Monica Randino

Application Received: 12/21/09

Effective Date: 03/01/10

Expiration Date: 02/28/11

Renewal Application Due: 12/30/10

Variance Expiration Date: N/A

Ashok Raichoudhury, P.E.
Development and Environmental Regulation Division
Environmental Protection and Growth Management Department

www.broward.org/environment

(PLEASE SEE LICENSE CONDITIONS ON THE BACK)

LICENSE TO OPERATE DIRECT DISCHARGE FROM NON-DOMESTIC ACTIVITY

GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the Licensee and must be completed by the Licensee and are enforceable by the Environmental Protection and Growth Management Department (Department) pursuant to the Code. The Department will review this license periodically and may revoke or suspend the license, and initiate administrative and/or judicial action for any violation of the conditions by the Licensee, its agents, employees, servants or representatives.
2. This license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation, suspension and/or enforcement action by the Department.
3. In the event the Licensee is temporarily unable to comply with any of the conditions of the license or with the Code, the Licensee shall notify the Department within eight (8) hours or as stated in the specific section of the Code. Within three (3) working days of the event, the Licensee shall submit a written report to the Department that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention regarding the repair, replacement and reconstruction of destroyed facilities and a schedule of events leading toward operation with the license condition.
4. The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, or any violation of federal, state or local laws or regulations.
5. This license must be available for inspection on the Licensee's premises during the entire life of the license.
6. By accepting this license, the Licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this licensed facility or activity, that are submitted to the County, may be used by the County as evidence in any enforcement proceeding arising under the Code, except where such use is prohibited by Section 403.111, Florida Statutes.
7. The Licensee agrees to comply and shall comply with all provisions of the most current version of the Code.
8. Any new owner or operator of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The Transferor shall remain liable for performance in accordance with the license until the Transferee applies for and is granted a transfer of license. The Transferee shall be liable for any violation of the Code that results from the Transferee's activities. The Transferee shall comply with the Transferor's original license conditions when the Transferee has failed to obtain its own license.
9. The Licensee, by acceptance of this license, specifically agrees to allow access and shall allow access to the licensed source, activity or facility at times to the Department personnel for the purposes of inspection and testing to determine compliance with this license and the Code.
10. This license does not constitute a waiver or approval of any other license, approval, or regulatory requirement by this or any other governmental agency that may be required.
11. Enforcement of the terms and provisions of this license shall be at the reasonable discretion of the Department, and any forbearance on behalf of the Department to exercise its rights hereunder in the event of any breach by the Licensee, shall not be deemed or constructed to be a waiver of the Department's rights hereunder.

SPECIFIC CONDITIONS

1. Any change in the wastewater treatment or disposal process shall be submitted for approval prior to change.
2. Self monitoring samples shall be taken at a point downstream of the treatment facility just before effluent is discharged. Location and configuration of the sampling point shall be approved by BCDER. Samples shall consist of grab samples taken during a period of peak discharge and samples must be analyzed by a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory for pollutants listed on page 3. Analysis reports shall be submitted to BCDER no later than the 15th day of the following month.

LICENSE TO OPERATE DIRECT DISCHARGE FROM NON-DOMESTIC ACTIVITY

Continued

Description and Analysis Requirements

DESCRIPTION:

This license allows FLORIDA POWER & LIGHT COMPANY to operate a direct discharge non-domestic wastewater treatment and disposal system discharging non-domestic wastewater associated with the generation of electricity from steam to Class III Surface Waters and Class G-II Groundwaters and more particularly described as follows:

SURFACE WATERS

- 1) A maximum of 1253 MGD of once-through cooling water at a flow rate of 870,000 GPM is discharged from Units 1, 2, 3 & 4 to the discharge canal, classified as Class III Surface waters (continuous discharge).
- 2) Up to 42.6 MGD of auxiliary cooling water at a flow rate of 29,600 GPM is discharged from Units 1 & 2 to the discharge canal as described in (1) above (continuous discharge).
- 3) Wastewater from the make up water treatment process (ie the Reverse Osmosis reject, and the water softener regeneration) or to the lined neutralization basins X-1 & X-2 is directed to the intake canal, classified as Class III Surface Waters at a rate of up to 1000 GPM.
- 3a) Multi-media Filter Backwash discharges to the ash soot pits and percolates into the groundwater.
- 4) Up to 360 GPM of boiler blowdown is typically directed to Recovery Basin B-6 for recycling into the water treatment cycle as make-up water. When basin B-6 is out of service discharge to the intake canal, Class III Surface Waters, occurs.
- 5) Stormwaters from non equipment area drains discharge at a flow rate of 19,700 GPM to the discharge canal, classified as Class II Surface Waters. Direct stormwater discharge is not covered by this license.
- 6) A maximum of 15,803,000 gallons per year of wastewater from economizer wash (soot leaching and metal cleaning), air preheater wash (metal cleaning), dust collector (soot leaching and metal cleaning), stack wash (combustion by-products), boiler fireside wash (Combustion by-products), hopper and drain flush (Combustion by-products), and boiler chemical cleaning rinses (metal cleaning), is discharged to solids settling basins B-2 and B-3, classified as Class G-II Groundwaters (batch discharge).
- 7) Oily waters and equipment cleaning wastewater as well as some storm water are discharged through equipment area drains at a flow rate of 22,136 GPM, pass through an oil-water separator to forwarding basin B-5 before disposal at basin B-1, classified as Class G-II Groundwaters (batch discharge).

The licensee shall maintain the quality and quantity of the effluent discharged such that the groundwater quality outside a defined Zone of Discharge is within the water quality standards expressed on page 4 of 4 of this license. For the purposes of this license the defined Zone of Discharge is at the perimeter of the property line. The surface water quality after thorough mixing (500 to 1) shall be within the water quality standards expressed on page 4 of 4 of this license. The licensee may be required to eliminate, reduce flow, or provide additional treatment to discharges should conditions of the waters within the Zone of Discharge, as monitored in the monitoring wells, warrant or should quality of the discharges to surface waters warrant.

Monitoring Parameters and Water Quality Standards

GROUNDWATER: Sampling and analysis of groundwater monitoring wells N-OBV-1, N-OB-2A, N-OB-2B, N-OB-3A, N-OB-3B, AND D-1 shall be conducted semi-annually for the following:

PARAMETER	LIMITS
Water Level related to MSL	Report
Solids, Total Dissolved	500,000ug/l
pH	6.5-8.5
Sulfate	250,000ug/l
Iron	300ug/l
Manganese	50ug/l
Fluoride	2,000ug/l
Arsenic	0.05mg/l
Copper	1.0 mg/l
Chromium	0.1 mg/l
Lead	0.015 mg/l
Nickel	0.1 mg/l
Silver	100 ug/l
Zinc	5,000 ug/l
Oil & Grease	10 mg/l

LICENSE TO OPERATE DIRECT DISCHARGE FROM NON-DOMESTIC ACTIVITY

Continued

Monitoring Parameters, Effluent Limits and Water Quality Standards - Continued

SURFACE WATER: Sampling and analysis of the intake water and the once through unit cooling water discharge (1) which contains discharges (2), (3), and (4) to surface waters shall be conducted prior to thorough mixing with the receiving waters and reported semi-annually. The difference between intake water ambient quality and discharge water quality shall be within water quality standards (Sec.27-195) after thorough mixing.

PARAMETER	LIMITS AFTER THOROUGH MIXING (500 TO 1):	EVERY 4 HOURS
*Temperature Rise		

PARAMETER	LIMITS AFTER THOROUGH MIXING (500 TO 1):	DAILY
Flow (gallons per day)	-----	
*Discharge Temperature	90 degrees F	

PARAMETER	LIMITS AFTER THOROUGH MIXING (500 TO 1):	SEMI-ANNUALLY
pH	6.5-8.5	
Oil & Grease	1 mg/l	
Copper	3.0 ug/l	
Selenium	25 ug/l	
Zinc	86 ug/l	
Nickel	8.3 ug/l	
Lead	5.6 ug/l	
Mercury	0.025 ug/l	
Aluminum	1.5 mg/l	
Arsenic, Total	50ug/l	
Cadmium	5ug/l	
Oxygen, Dissolved	>5mg/l	
Fluoride	5.0mg/l	
Iron	300ug/l	

*With respect to temperature measurements, the cooling water effluent shall have a Zone of Mixing in accordance with Section 62-4.244 F.A.C. and extending from the discharge point in the direction of normal flow a distance of 800 meters.

APPENDIX 10.6.8

**BROWARD COUNTY
MAINTENANCE DREDGING EXEMPTION**



Environmental Protection and Growth Management Department

DEVELOPMENT AND ENVIRONMENTAL REGULATION DIVISION

Mailing Address: 1 North University Drive, Plantation, Florida 33324 • PHONE 954-519-1230 • FAX 954-519-1412

Via U.S. Mail and E-mail (Jason.Engel@fpl.com)

July 13th, 2009

Jason Engel
PGD Environmental Specialist
Florida Power & Light
700 Universe Boulevard
Juno Beach, Florida 33408

**Re: Port Everglades Plant - intake canal maintenance dredging
Request for License Exemption**

Dear Mr. Engel:

The Development and Environmental Regulation Division of Broward County's Environmental Protection and Growth Management Department is in receipt of your recent correspondence pertaining to Aquatic and Wetland Resource Section (AWRS) licensing requirements for the above-referenced project.

AWRS staff have reviewed the submitted documentation and agree that the proposed project appears to meet the requirements of Section 27-335(5) of the County's Code which states: *"The following projects are exempt from license requirements: ... (5) The maintenance of existing residential or agricultural drainage ditches and canals, and intake or discharge canals, provided that the maintenance work be conducted in accordance with the original design specifications or construction specifications, whichever is most restrictive, and that the ditch or canal does not negatively impact, drain, or pass through wetland areas. The material removed from the existing ditch must be placed on the uplands and disposed of in an approved manner. Water quality standards must not be violated as a result of the maintenance activity."*

Because of the proximity of this project to the Atlantic Ocean and other areas with high potential for manatee presence, the Department hereby recommends that FPL and its contractors abide by the Florida Fish and Wildlife Conservation Commission's "Standard Manatee Conditions for In-Water Work" (attached) and additionally recommends that none of the proposed work occur between the months of October and April when manatee abundance increases considerably.

Prior to beginning any in-water work, please submit a notice of commencement to the Department which includes the proposed start and finish dates, duration of the project, and names and phone numbers for persons to be contacted in the event of an emergency. If you have any questions, please contact me at (954) 519-1228, or at rstgeorge@broward.org.

Sincerely,


Ryan St. George
Natural Resource Specialist II

RSG/lw

Enc: Completeness Summary

cc: Sara Shea, USACOE (via e-mail)
Barbara Conmy, SFWMD (via e-mail)
Jennifer Smith, FDEP (via e-mail)

Broward County Board of County Commissioners

Josephus Eggelseton, Jr. • Sue Gunzburger • Kristin D. Jacobs • Ken Keechl • Ilene Lieberman • Stacy Ritter • John E. Rodstrom, Jr. • Diana Wasserman-Rubin • Lois Wexler

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STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2009

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida.
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used (see MyFWC.com). One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities.

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC