

ATTACHMENT A: MAPS

To be attached after certification pursuant to Section A. Condition I.D.-F.

ATTACHMENT B: MITIGATION PLANS

To be attached after certification pursuant to Section A. Condition XXX.C.2.

ATTACHMENT C: SOVEREIGN SUBMERGED LEASE



Florida Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

July 27, 2010

Florida Power & Light Company
Attn: Ms. Kristen Chase
700 Universe Blvd.
Juno Beach, FL 33408

RECEIVED

By DEP Siting Coordination Office via Email at 1:58 pm, Nov 05, 2010

Easement No. 41209
BOT File No. 500234456
Grantee: Florida Power & Light Company

Dear Ms. Chase:

Enclosed is a fully executed easement for **your client's** records.

The easement agreement requires the Grantee to have the fully executed easement (all pages) recorded within 14 days after receipt of this letter. The easement is to be recorded in the official records of the county within which the easement site is located. Please provide within 10 days following recordation, a copy of the recorded easements to this office at the letterhead address (to Mail Station No. 125).

If you have any questions, please feel free to contact me at (850) 245-2720. Any future correspondence or inquiries should be directed to this office at the letterhead address above (Mail Station No. 125) or at (850) 245-2720.

Thank you for your assistance and cooperation in this matter.

Sincerely,

Kathy C. Griffin

Government Operations Consultant I
Bureau of Public Land Administration
Division of State Lands

/kcg

Enclosures

cc: File

DEP, SE District Office

This Instrument Prepared By:
Taurean J. Lewis
Recurring Revenue Section
Bureau of Public Land Administration
3900 Commonwealth Boulevard
Mail Station No. 125
Tallahassee, Florida 32399

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND
OF THE STATE OF FLORIDA

SOVEREIGNTY SUBMERGED LANDS EASEMENT

NO. 41209
BOT FILE NO. 500234456
PA NO. 50-0045750-006

THIS EASEMENT is hereby granted by the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida, hereinafter referred to as the Grantor.

WITNESSETH: That for the faithful and timely performance of and compliance with the terms and conditions stated herein, the Grantor does hereby grant to Florida Power & Light Company, a Florida corporation, hereinafter referred to as the Grantee, a nonexclusive easement on, under and across the sovereignty lands, if any, contained in the following legal description:

A parcel of sovereignty submerged land in Section 33,
Township 42 South, Range 43 East, in the Intracoastal Waterway,
Palm Beach County, as is more particularly described
and shown on Attachment A, dated December 21, 2009.

TO HAVE THE USE OF the hereinabove described premises for a period of 50 years from March 9, 2010, the effective date of this easement. The terms and conditions on and for which this easement is granted are as follows:

1. USE OF PROPERTY: The above described parcel of land shall be used solely for an existing subaqueous water discharge pipeline. All of the foregoing subject to the remaining conditions of this easement.
2. EASEMENT CONSIDERATION: In the event the Grantor amends its rules related to fees and the amended rules provide the Grantee will be charged a fee or an increased fee for this activity, the Grantee agrees to pay all charges required by such amended rules within 90 days of the date the amended rules become effective or by a date provided by an invoice from the Department, whichever is later. All fees charged under this provision shall be prospective in nature; i.e. they shall begin to accrue on the date that the amended rules become effective.
3. WARRANTY OF TITLE/GUARANTEE OF SUITABILITY OF USE OF LAND: Grantor neither warrants title to the lands described herein nor guarantees the suitability of any of the lands for any particular use.
4. RIGHTS GRANTED: The rights hereby granted shall be subject to any and all prior rights of the United States and any and all prior grants by the Grantor in and to the submerged lands situated within the limits of this easement.
5. DAMAGE TO EASEMENT PROPERTY AND INTERFERENCE WITH PUBLIC AND PRIVATE RIGHTS: Grantee shall not damage the easement lands or unduly interfere with public or private rights therein.
6. GRANTOR'S RIGHT TO GRANT COMPATIBLE USES OF THE EASEMENT PROPERTY: This easement is nonexclusive, and the Grantor, or its duly authorized agent, shall retain the right to enter the property or to engage in management activities not inconsistent with the use herein provided for and shall retain the right to grant compatible uses of the property to third parties during the term of this easement.
7. RIGHT TO INSPECT: Grantor, or its duly authorized agent, shall have the right at any time to inspect the works and operations of the Grantee in any matter pertaining to this easement.
8. INDEMNIFICATION/INVESTIGATION OF ALL CLAIMS: The Grantee shall investigate all claims of every nature at its expense, and shall indemnify, defend and save and hold harmless the Grantor and the State of Florida from all claims, actions, lawsuits and demands arising out of this easement, which do not arise out of or result from the negligent acts or omissions of Grantor.
9. VENUE: Grantee waives venue as to any litigation arising from matters relating to this easement and any such litigation between Grantor and Grantee shall be initiated and maintained only in Leon County, Florida.

10. ASSIGNMENT OF EASEMENT: This easement shall not be assigned or otherwise transferred without prior written consent of the Grantor or its duly authorized agent and which consent shall not be unreasonably withheld. Any assignment or other transfer without prior written consent of the Grantor shall be null and void and without legal effect.

11. TERMINATION: The Grantee, by acceptance of this easement, binds itself, its successors and assigns, to abide by the provisions and conditions herein set forth, and said provisions and conditions shall be deemed covenants of the Grantee, its successors and assigns. In the event the Grantee fails or refuses to comply with the provisions and conditions herein set forth or in the event the Grantee violates any of the provisions and conditions herein, this easement may be terminated by the Grantor upon 30 days written notice to Grantee. If terminated, all of the above-described parcel of land shall revert to the Grantor. All costs, including attorneys' fees, incurred by the Grantor to enforce the provisions of this easement shall be paid by the Grantee. All notices required to be given to Grantee by this easement or applicable law or administrative rules shall be sufficient if sent by U.S. Mail to the following address:

FLORIDA POWER & LIGHT COMPANY
c/o Director of Corporate Real Estate
700 Universe Blvd.
P.O. Box 14000
Juno Beach, Florida 33408

The Grantee agrees to notify the Grantor by certified mail of any changes to this address at least ten (10) days before the change is effective.

12. TAXES AND ASSESSMENTS: The Grantee shall assume all responsibility for liabilities that accrue to the subject property or to the improvements thereon, including any and all drainage or special assessments or taxes of every kind and description which are now or may be hereafter lawfully assessed and levied against the subject property during the effective period of this easement which result from the grant of this easement or the activities of Grantee hereunder.

13. REMOVAL OF STRUCTURES/ADMINISTRATIVE FINES: If the Grantee does not remove said structures and equipment occupying and erected upon the premises after expiration or cancellation of this easement, such structures and equipment will be deemed forfeited to the Grantor, and the Grantor may authorize removal and may sell such forfeited structures and equipment after ten (10) days written notice by certified mail addressed to the Grantee at the address specified in Item 11 or at such address on record as provided to the Grantor by the Grantee. However, such remedy shall be in addition to all other remedies available to Grantor under applicable laws, rules and regulations including the right to compel removal of all structures and the right to impose administrative fines.

14. ENFORCEMENT OF PROVISIONS: No failure, or successive failures, on the part of the Grantor to enforce any provision, nor any waiver or successive waivers on its part of any provision herein, shall operate as a discharge thereof or render the same inoperative or impair the right of the Grantor to enforce the same upon any renewal thereof or in the event of subsequent breach or breaches.

15. RECORDATION OF EASEMENT: The Grantee, at its own expense, shall record this fully executed easement in its entirety in the public records of the county within which the easement site is located within fourteen (14) days after receipt, and shall provide to the Grantor within ten (10) days following the recordation a copy of the recorded easement in its entirety which contains the O.R. Book and pages at which the easement is recorded.

16. AMENDMENT/MODIFICATIONS: This easement is the entire and only agreement between the parties. Its provisions are not severable. Any amendment or modification to this easement must be in writing and must be accepted, acknowledged and executed by the Grantee and Grantor.

17. ACOE AUTHORIZATION: Prior to commencement of construction and/or activities authorized herein, the Grantee shall obtain the U.S. Army Corps of Engineers (COE) permit if it is required by the COE. Any modifications to the construction and/or activities authorized herein that may be required by the COE shall require consideration by and the prior written approval of the Grantor prior to the commencement of construction and/or any activities on sovereign, submerged lands.

18. ADDITIONAL STRUCTURES OR ACTIVITIES/EMERGENCY STRUCTURAL REPAIRS: No additional structures shall be erected and/or activities undertaken, including but not limited to, dredging, relocation/realignment or major repairs or renovations made to authorized structures, on, in or over sovereignty, submerged lands without the prior written consent from the Grantor, with the exception of emergency repairs. Unless specifically authorized in writing by the Grantor, such activities or structures shall be considered unauthorized and a violation of Chapter 253, Florida Statutes, and shall subject the Grantee to administrative fines under Chapter 18-14, Florida Administrative Code. If emergency repairs are required to be undertaken in the interests of public health, safety or welfare, the Grantee shall notify the Grantor of such repairs as quickly as is practicable; provided, however, that such emergency activities shall not exceed the activities authorized by this easement.

19. UPLAND RIPARIAN PROPERTY INTEREST: During the term of this easement, Grantee must have satisfactory evidence of sufficient upland interest as defined in subsection 18-21.003(60), Florida Administrative Code, to the extent required by paragraph 18-21.004(3)(b), Florida Administrative Code, in order to conduct the activity described in this easement. If at any time during the term of this easement, Grantee fails to comply with this requirement, use of sovereignty, submerged lands described in this easement shall immediately cease and this easement shall terminate and title to this easement shall revert to and vest in the Grantor immediately and automatically.

WITNESSES:

[Signature]
Original Signature

D.L. McKenzie
Print/Type Name of Witness

[Signature]
Original Signature

Ruthy C. Guffin
Print/Type Name of Witness

BOARD OF TRUSTEES OF THE INTERNAL
IMPROVEMENT TRUST FUND OF THE STATE
OF FLORIDA

BY: [Signature] (SEAL)
Jeffery M. Gentry, Operations and Management Consultant
Manager, Bureau of Public Land Administration, Division
Division of State Lands, State of Florida Department of
Environmental Protection, as agent for and on behalf of the Board
of Trustees of the Internal Improvement Trust Fund of the State
of Florida

"GRANTOR"

STATE OF FLORIDA
COUNTY OF LEON

The foregoing instrument was acknowledged before me this 20th day of July, 2010, by
Jeffery M. Gentry, Operations and Management Consultant Manager, Bureau of Public Land Administration, Division of State
Lands, State of Florida Department of Environmental Protection, as agent for and on behalf of the Board of Trustees of the
Internal Improvement Trust Fund of the State of Florida. He is personally known to me.

APPROVE AS TO FORM AND LEGALITY:

[Signature]
DEP Attorney

[Signature]
Notary Public, State of Florida

Printed, typed or Stamped Name
D. L. McKenzie
My Commission Expires Commission # DD 876897
Expires May 16, 2013
Bonded Thru Troy Fuls Insurance 800-386-7019
Commission/Serial No. _____

WITNESSES:

[Signature]
Original Signature

Michelle M. Kahmann

Typed/Printed Name of Witness

[Signature]
Original Signature

Wriston Chase
Typed/Printed Name of Witness

STATE OF FL

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 20th day of July, 2010, by
Dina L. Guenther as Director Corporate Real Estate of Florida Power & Light Company, a Florida corporation for and on behalf
of the corporation. She is personally known to me or who has produced _____ as identification.

My Commission Expires:

[Signature]
Notary Public, State of Florida
Michelle M Kahmann
My Commission DD693940
Expires 09/18/2011

Florida Power & Light Company
a Florida corporation (SEAL)

BY: [Signature]
Original Signature of Executing Authority

Dina L. Guenther
Typed/Printed Name of Executing Authority

Director Corporate Real Estate
Title of Executing Authority

"GRANTEE"

[Signature]
Notary Public, State of FL

Michelle M. Kahmann
Printed, Typed or Stamped Name

Section: 33

Township: 42 South

Range: 43 East



Facility Address: Adjacent to Riviera Beach Energy Center



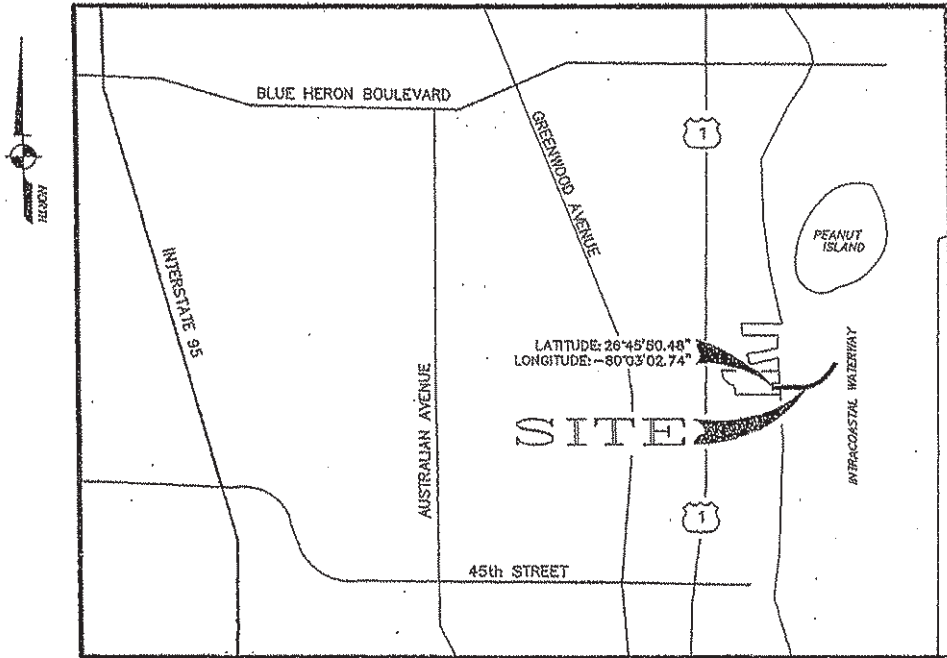
EXHIBIT "A"
SUBMERGED LAND EASEMENT
RIVIERA POWER PLANT
DISCHARGE PIPES

RECEIVED

JAN 11 2010

DEPT of ENV PROTECTION
WEST PALM BEACH

SECTION 33, TOWNSHIP 42 S., RANGE 43 E. PALM BEACH COUNTY, FLORIDA



LOCATION SKETCH
 (NOT TO SCALE)

REVISIONS



AVIROM & ASSOCIATES, INC.
SURVEYING & MAPPING

60 S.W. 2ND AVENUE, SUITE 102
 BOCA RATON, FLORIDA 33432
 TEL. (561) 392-2594, FAX (561) 394-7125
 www.AVIROM-SURVEY.com

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JOB NO.	8461-5
SCALE	1" = 100'
DATE	12/21/09
BY	A.M.R.
CKD.	M.D.A.
F.B.	PG.
SHEET	1 OF 3

EXHIBIT "A" **SUBMERGED LAND EASEMENT** **RIVIERA POWER PLANT** **DISCHARGE PIPES**

LAND DESCRIPTION:

A portion of submerged lands lying within the Intracoastal Waterway, in Section 33, Township 42 South, Range 43 East, Palm Beach County, Florida being more particularly described as follows:

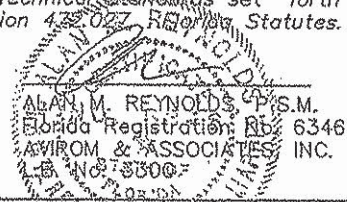
COMMENCING at the Northeast corner of Lot 1, of KNOWLES COURT ADDITION according to the plat thereof, as recorded in Plat Book 9, Page 82 of the Public Records of Palm Beach County, Florida; thence S 88°49'47" E, 645.29 feet to the Mean High Water Line of the Intracoastal Waterway and the Easterly wet-face of an existing concrete sea wall; thence N 01°06'49" E, along said Mean High Water Line and the Easterly wet-face of an existing concrete sea wall 111.88 feet; thence N 27°46'13" E, along said Mean High Water Line and the Easterly wet-face of an existing concrete sea wall 53.60 feet to the POINT OF BEGINNING of a Submerged Land Easement, having a Northing of 884446.308 and Easting of 966056.201; (the next 14 courses being along said Mean High Water Line and the wet-face of an existing concrete sea wall) (L1A) thence continue N 27°46'13" E, 2.93 feet; (L1B) thence N 01°21'03" E, 21.25 feet; (L2) thence N 88°28'04" W, 41.17 feet; (L3) N 89°16'13" W, 24.59 feet; (L4) thence S 89°49'52" W, 26.47 feet; (L5) thence N 87°45'13" W, 48.51 feet; (L6) thence N 00°35'29" W, 14.36 feet; (L7) thence N 89°12'30" W, 16.15 feet; (L8) thence N 00°01'45" E, 23.34 feet; (L9) thence S 88°49'19" E, 16.27 feet; (L10) thence N 02°39'38" E, 3.58 feet; (L11) thence N 00°37'18" E, 32.22 feet; (L17) thence N 00°00'38" E, 1.97 feet; thence along a line being 50 feet northwesterly of and parallel with the centerline of an existing sub-aqueous pipeline for the following 4 courses; S 88°49'47" E, 164.20 feet; thence N 83°26'33" E, 1127.08 feet to a point of curvature of a tangent curve concave to the Northwest; thence Northeasterly along the arc of said curve, having a radius of 724.80 feet and a central angle of 67°57'12", a distance of 859.62 feet; thence N 15°29'22" E, 146.12 feet; thence S 74°30'38" E, 100.00 feet; thence along a line being 50 feet Southeasterly of and parallel with the centerline of an existing sub-aqueous pipeline for the following 4 courses; thence S 15°29'22" W, 146.12 feet to a point of curvature of a tangent curve concave to the Northwest; thence Southwesterly along the arc of said curve, having a radius of 824.80 feet and a central angle of 67°57'12", a distance of 978.22 feet; thence S 83°26'33" W, 1133.84 feet; thence N 88°49'47" W, 20.85 feet to the POINT OF BEGINNING.

The above described easement is situate in Palm Beach County, Florida and containing 232,982 square feet, 5.349 acres, of submerged land, more or less.

CERTIFICATION:

I HEREBY CERTIFY that the attached Sketch and Description of the hereon described property is true and correct to the best of my knowledge and belief as prepared under my direction. I FURTHER CERTIFY that this Sketch and Description meets the Minimum Technical Standards set forth in Chapter 61G17-6, Florida Administrative Code, pursuant to Section 422.027, Florida Statutes.

Date: 12/21/09



REVISIONS		AVIOM & ASSOCIATES, INC.	JOB NO. 8461-B
		SURVEYING & MAPPING	SCALE 1" = 100'
		60 S.W. 2ND AVENUE, SUITE 102	DATE 12/21/09
		BOCA RATON, FLORIDA 33432	BY A.M.R.
		TEL. (561) 392-2694, FAX (561) 394-7125	CKD. M.D.A.
		www.AVIOM-SURVEY.com	F.B. PG.
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EXHIBIT "A"
SUBMERGED LAND EASEMENT
RIVIERA POWER PLANT
DISCHARGE PIPES

SURVEYOR'S REPORT:

1. Not valid without the signature and original raised seal of a Florida licensed Surveyor and Mapper.
2. The land description shown hereon was prepared by the Surveyor.
3. No Title Opinion or Abstract to the subject property has been provided. It is possible that there are Deeds, Easements, or other instruments (recorded or unrecorded) which may affect the subject property. No search of the Public Records has been made by the Surveyor.
4. The undersigned surveyor has no knowledge as to whether any of the hereon property is filled formerly submerged lands.
5. This is not a Mean High Water Line Survey.
6. Bearings and Coordinates shown hereon are referenced to Grid North, based on the 1990 adjustment of the North American Datum of 1983 (NAD 83/90) of the Florida State Plane Coordinate System (Traverse Mercator Projection), East Zone, with the south line of Section 33 having a bearing of N 88°49'47" W.
7. Elevations shown hereon are based on the North American Vertical Datum of 1988.
8. Benchmark Description: National Geodetic Survey Bench Mark R 402 (PID AD8029) Elevation = 17.96 feet (NAVD 88) and P 232 Reset (PID AD5785), Elevation = 13.29 (NAVD 88).
9. Mean High Water Line information was compiled from published datum provided by the Land Boundary Information System web site (www.labins.org). Mean High Water is based upon extending published datum from Mean High Water data point #36, Palm Beach County, Quad name Riviera Beach. Mean High Water Line = 0.16' (N.A.V.D. 88); Range = 2.61'; Mean Low Water Line = -2.45.
10. Abbreviation Legend: R.B.C. = Palm Beach County; P.B. = Plat Book; PG. = Page; O.R.B. = Official Records Book; P.B.C.R. = Palm Beach County Records; A/C = Air Conditioning; CONC. = Concrete; L = Length; W. = With; Δ = Delta Angle; M.H.W.L. = Mean High Water Line; PRM = Permanent Reference Monument; R = Radius; F.P.L. = Florida Power & Light Company; G.P.S. = Global Positioning System; L.B. = Licensed Business; N.G.V.D. = National Geodetic Vertical Datum; P.S.M. = Professional Surveyor and Mapper; N.A.V.D. = North American Vertical Datum.
11. Data shown hereon are based on a Real-Time Kinematic (RTK) G.P.S. survey which is certified to 2 Centimeter local accuracy, relative to the nearest National Geodetic Survey (NGS) Geodetic Station as surveyed in the field on June 24, 2008.
 Station Observed: "R 402" (PID - AD8029) Palm Beach County.

Equipment

GPS Receiver: Trimble R8 5800 RTK

Software: Trimble Geomatics Office, Version Number 1.63

Method: Wide Area Continuously Operating GPS Station Network.

12. Location of Sub-Aqueous pipeline was recreated from plans provided by Florida Power & Light and created by Ebasco Services Incorporated New York. Plan number "904-G-164033", with a last revision date of 8/22/62. The pipeline was not physically located by Avirom & Associates.

REVISIONS		AVIROM & ASSOCIATES, INC. SURVEYING & MAPPING 60 S.W. 2ND AVENUE, SUITE 102 BOCA RATON, FLORIDA 33432 TEL: (561) 392-2694, FAX: (561) 394-7125 www.AVIROM-SURVEY.com ©2009 AVIROM & ASSOCIATES, INC. all rights reserved. This sketch is the property of AVIROM & ASSOCIATES, INC. and should not be reproduced or copied without written permission.	JOB NO. 8461-5 SCALE 1" = 100' DATE 12/21/09 BY A.M.R. CK'D. M.D.A. F.B. - PG. - SHEET 3 OF 8
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EXHIBIT "A" **SUBMERGED LAND EASEMENT** **RIVIERA POWER PLANT** **DISCHARGE PIPES**

STATE PLANE COORDINATES

LETTER	NORTHING	EASTING	DESCRIPTION
A	884300.201	965383.901	P.O.C.
B	884446.308	966056.201	P.O.B.
C	884549.353	965908.180	M.H.W.L.
D	884585.456	966415.583	ESMT @ I.C.W.W.
E	885315.317	967943.145	EASEMENT
F	884485.629	966422.817	ESMT @ I.C.W.W.

(SEE NOTE # 6 & # 11 ON SHEET 3 OF 8)

LINE TABLE

LINE	DIRECTION	DISTANCE
L1	N86°21'42"W	9.71'
L1A	N27°46'13"E	2.93'
L1B	N01°21'03"E	21.25'
L2	N88°28'04"W	41.17'
L3	N89°16'13"W	24.59'
L4	S89°49'52"W	26.47'
L5	N87°45'13"W	48.51'
L6	N00°35'29"W	14.36'
L7	N89°12'30"W	16.15'
L8	N00°01'45"E	23.34'
L9	S88°49'19"E	16.27'
L10	N02°39'38"E	3.58'
L11	N00°37'18"E	32.22'
L12	N00°00'38"E	22.98'
L13	N45°42'11"E	7.30'
L14	S88°50'59"E	51.60'
L15	S89°09'59"E	44.57'
L16	S88°46'05"E	39.17'
L17	N00°00'38"E	1.97'
L18	N88°49'47"W	20.85'

NOT A FIELD SURVEY

MEAN HIGH WATER = 0.16' (N.A.V.D.88)
RANGE = 2.61'
MEAN LOW WATER = -2.45' (N.A.V.D.88)
(SEE NOTES 7, 8 & 9 ON SHEET 3 OF 8)

NOTE:

THE APPROXIMATE MEAN HIGH WATER LINE
IS NOT INTENDED TO BE THE LEGAL BOUNDARY
BETWEEN PRIVATE AND STATE OWNERSHIP.

REVISIONS



AVIROM & ASSOCIATES, INC. **SURVEYING & MAPPING**

50 S.W. 2ND AVENUE, SUITE 102
BOCA RATON, FLORIDA 33432
TEL. (561) 392-2694, FAX (561) 394-7125
WWW.AVIROM-SURVEY.COM

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BY	A.M.R.
CK'D.	M.D.A.
F.B.	PG.
SHEET	4 OF 8

EXHIBIT "A" **SUBMERGED LAND EASEMENT** **RIVIERA POWER PLANT** **DISCHARGE PIPES**

SECTION 33, TOWNSHIP 42 S., RANGE 43 E. PALM BEACH COUNTY, FLORIDA

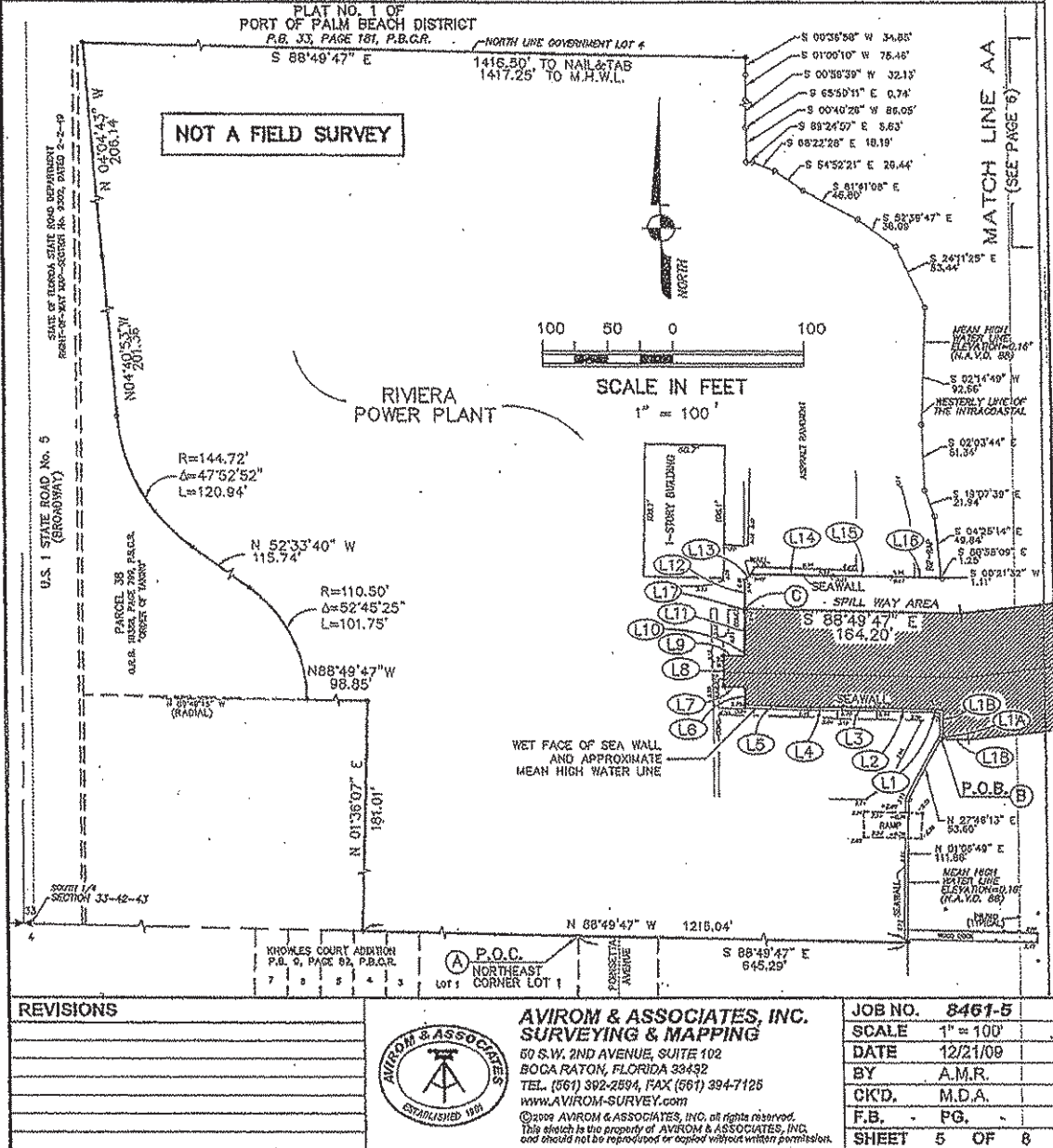
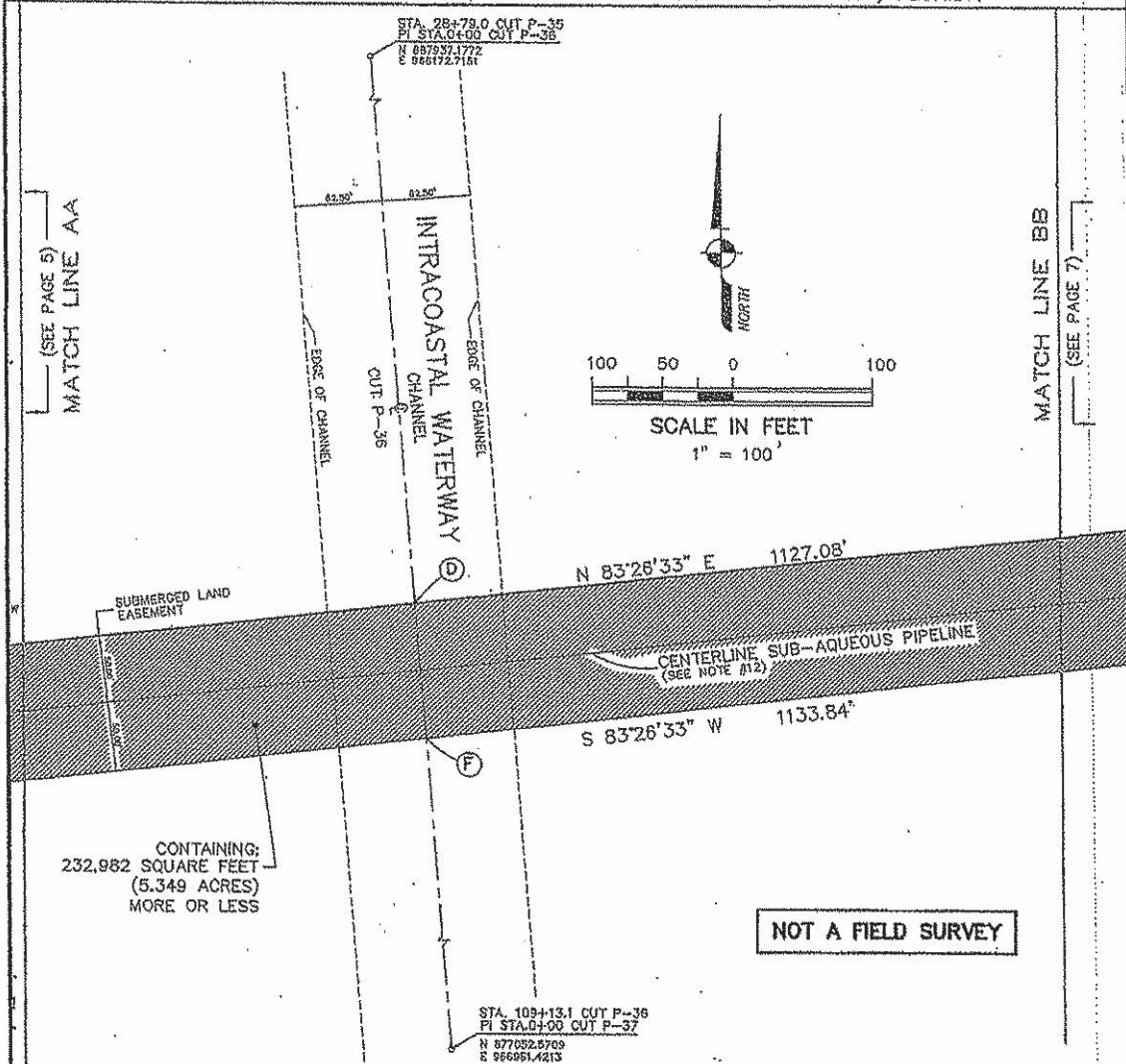


EXHIBIT "A" **SUBMERGED LAND EASEMENT** **RIVIERA POWER PLANT** **DISCHARGE PIPES**

SECTION 33, TOWNSHIP 42 S., RANGE 43 E. PALM BEACH COUNTY, FLORIDA



REVISIONS



AVIROM & ASSOCIATES, INC. **SURVEYING & MAPPING**

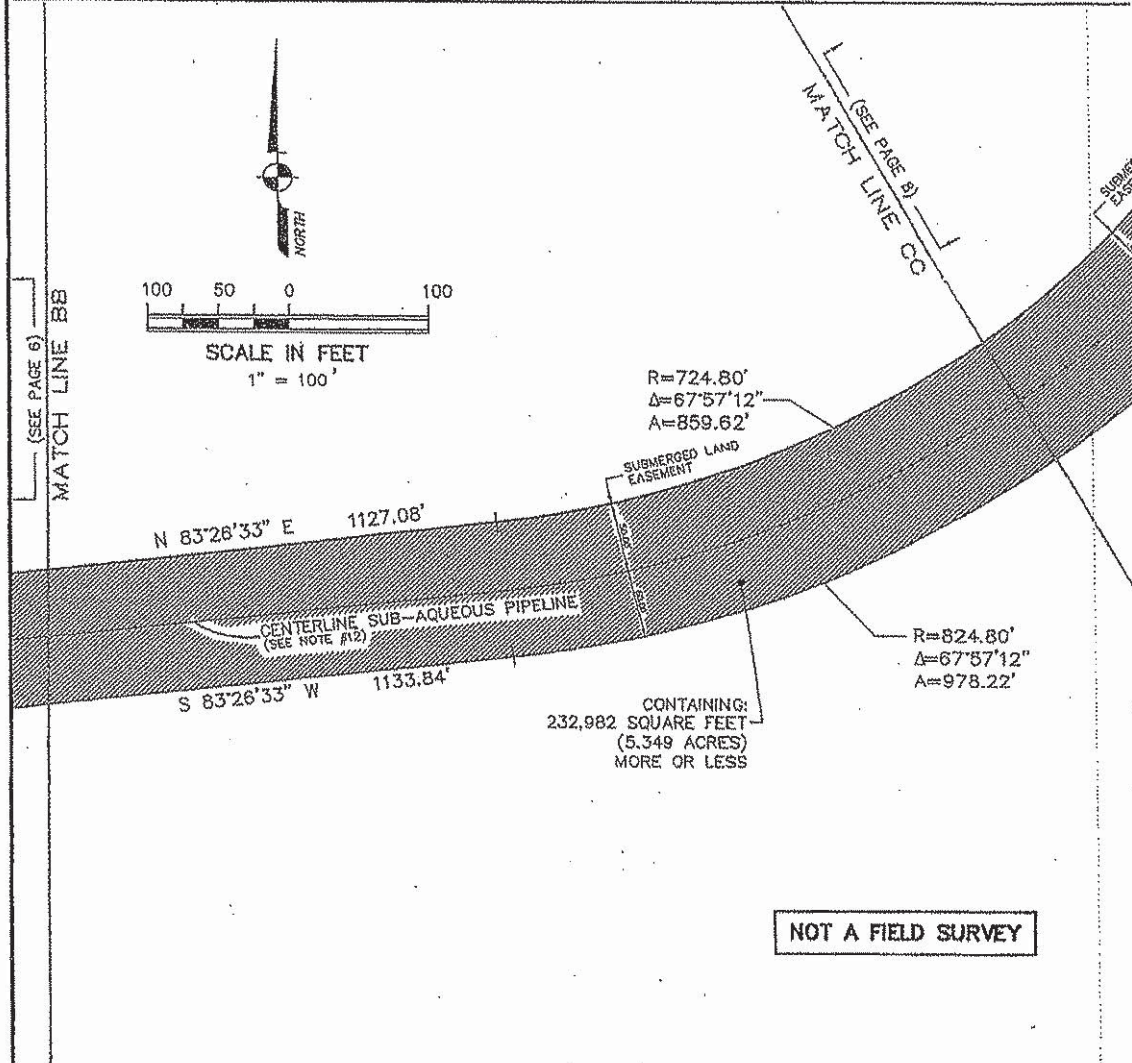
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DATE	12/21/09
BY	A.M.R.
CK'D.	M.D.A.
F.B.	PG.
SHEET	8 OF 8

EXHIBIT "A" SUBMERGED LAND EASEMENT RIVIERA POWER PLANT DISCHARGE PIPES

SECTION 33, TOWNSHIP 42 S., RANGE 43 E. PALM BEACH COUNTY, FLORIDA

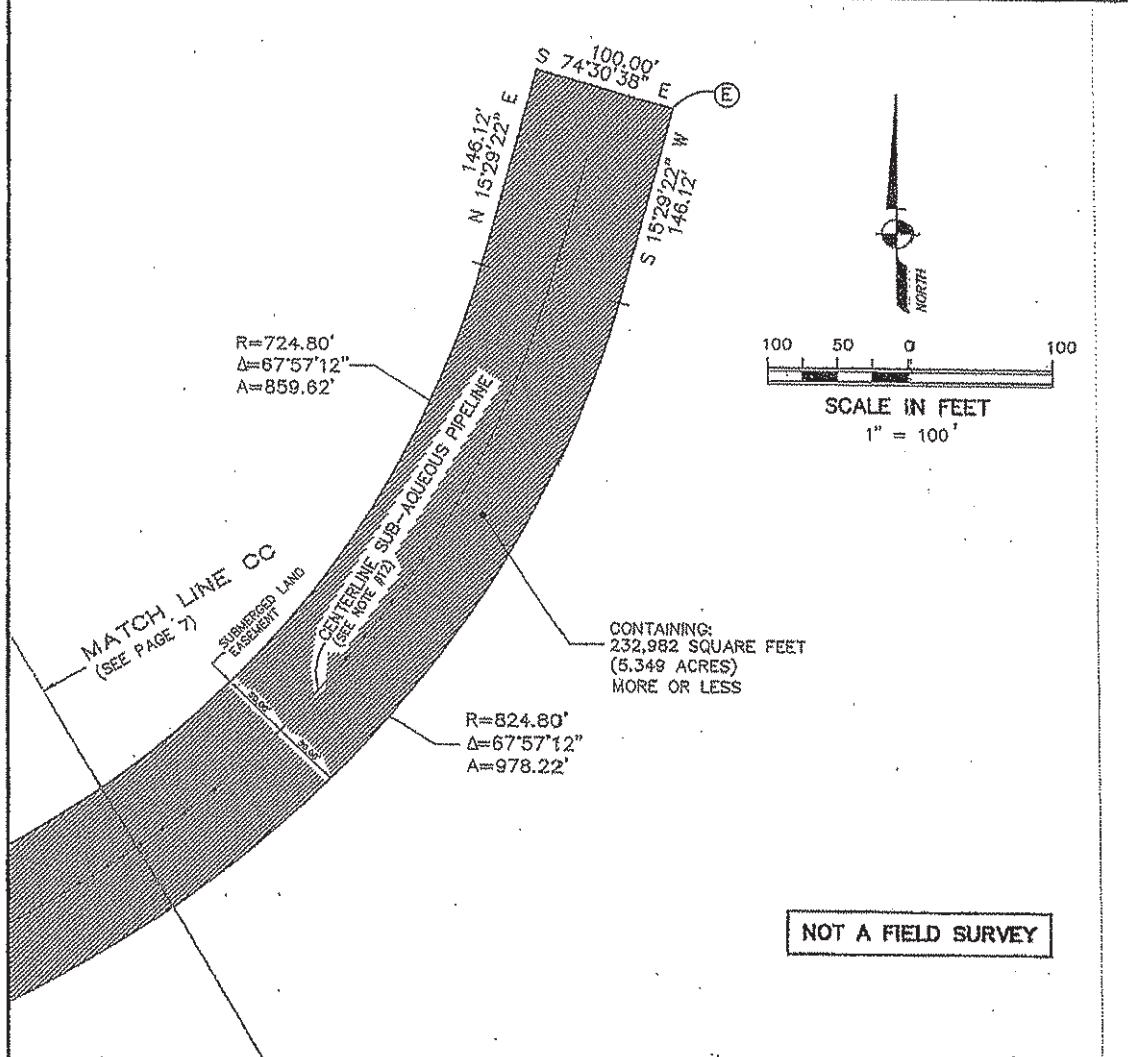


NOT A FIELD SURVEY

REVISIONS 		AVIROM & ASSOCIATES, INC. SURVEYING & MAPPING 50 S.W. 2ND AVENUE, SUITE 102 BOCA RATON, FLORIDA 33432 TEL. (561) 392-2594, FAX (561) 394-7125 www.AVIROM-SURVEY.com ©2009 AVIROM & ASSOCIATES, INC. all rights reserved. This sketch is the property of AVIROM & ASSOCIATES, INC. and should not be reproduced or copied without written permission.	
		JOB NO.	8461-5
		SCALE	1" = 100'
		DATE	12/21/09
		BY	A.M.R.
		CK'D.	M.D.A.
		F.B.	- PG. -
		SHEET	7 OF 8

EXHIBIT "A" **SUBMERGED LAND EASEMENT** **RIVIERA POWER PLANT** **DISCHARGE PIPES**

SECTION 33, TOWNSHIP 42 S., RANGE 43 E. PALM BEACH COUNTY, FLORIDA



REVISIONS



AVIROM & ASSOCIATES, INC. **SURVEYING & MAPPING**

50 S.W. 2ND AVENUE, SUITE 102
 BOCA RATON, FLORIDA 33432
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JOB NO.	8461-5
SCALE	1" = 100'
DATE	12/21/09
BY	A.M.R.
CKD.	M.D.A.
F.B.	PG.
SHEET	8 OF 8

ATTACHMENT D: PLANT THERMAL DISCHARGE

To be attached pursuant to Section B. Condition IV.A.1.e.

LEGEND

Enclosed Temperature (degree F)

58

60

62

64

66

68

70

Discharge

Intake

Point of Discharge - Offshore

NOTES

REFERENCE

1. Imagery, National Image Mission, WMS Service.
[http://nims.usgs.gov/gis/nims.wms?&v=1](http://nims.usgs.gov/gis/nims.wms?)

0 150 300 450 600 750 900 Feet

SCALE

PROJECT	FPL
RIVERA POWER PLANT	
TITLE	Predicted Surface Isotherms for the Manatee Thermal Refuge
PROJECT No. 10-14-10	Rev. No.
10-14-10	00
10-14-10	01
10-14-10	02
10-14-10	03
10-14-10	04
10-14-10	05
10-14-10	06
10-14-10	07
10-14-10	08
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10-14-10	99
10-14-10	100

FIGURE 10.9-13



MAP 2



ATTACHMENT E: PORT OF PALM BEACH EASEMENT
(Underground Water Intake)

To be attached pursuant to Section B. Condition IX.A.1.

ATTACHMENT F: PORT OF PALM BEACH EASEMENT
(Underground Fuel Pipelines, etc.)

To be attached pursuant to Section B. Condition IX.A.2.

APPENDIX I – NPDES Permit



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

CERTIFIED MAIL RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Mr. Mark Lemasney
Plant General Manager
Florida Power & Light Company
200-300 Broadway
Riviera, Florida 33404

PA File No. FL0001546-006-IW1S
Palm Beach County
Riviera Power Plant
NPDES Permit No. FL0001546

NOTICE OF PERMIT ISSUANCE

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

The plant is scheduled to undergo modernization between 2011 and 2014. The modernization project includes the construction of a nominal 1,250 megawatt natural gas-fired combined cycle unit system ("3-on-1") designated as Unit 5. In addition, this project includes the permanent shutdown of Units 3 and 4. RBEC Unit 5 is projected to be operational in June 2014. RBEC Unit 5 uses the existing once-through cooling water system and Outfalls D-013 and D-014 servicing Units 3 and 4. This permit revision does not authorize an increase in the quantity or a change in the quality of the wastewater discharges to Lake Worth Lagoon a Class III Marine Water.

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

Mark P. Thomasson, P.E.

Director

Division of Water Resource Management

2600 Blair Stone Road

Tallahassee, FL 32399-2400

FACILITY: Rivera Power Plant
PERMITTEE: Florida Power & Light Company

Page 2 of 2
Permit FL0001546

FILING AND ACKNOWLEDGMENT

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

G. Shields 08-17-2011
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 08-17-2011 to the listed persons.

Shirley Shields
Name

08-17-2011
Date

Certified copies furnished to:

Mark Nuhfer, NPDES Permitting Section, EPA Region 4, Atlanta, GA
Chairman, Board of Broward County Commissioners

Copies furnished by First Class mail to:

Florida Fish and Wildlife Conservation Commission, Conservation Planning Services
U.S. Fish & Wildlife Service
Andy Flajole, Florida Power and Light

Copies furnished by intradepartmental mail to:

Linda Brien, P.G., DEP West Palm Beach
John Armstrong, P.E., DEP West Palm Beach
Michael Hambor, DEP West Palm Beach
Cindy Mulkey, DEP Tallahassee

SECOND AMENDMENT TO THE FACT SHEET

DATE: August 10, 2011

PERMIT NUMBER: FL0001546

PERMITTEE: Florida Power & Light
Riviera Beach Energy Complex

The following minor corrections and revisions have been made to the proposed permit. None of these corrections alter any of the limitations for discharge to water of the state.

1. Typographical Errors in the Proposed Permit

The Department and the Permittee noted several typographical errors which are not listed in the items below. The Department has corrected these errors, which were non-substantive and did not affect any permit limitations or monitoring requirements.

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

Page 1, Facility Description. The permittee requested that the facility description be revised to clarify the piping assembly for the once-through cooling water discharge from Outfall D-013. The Department concurred and the description was revised.

Page 13, VI.3. The permittee requested that the schedule for the aquatic organism return system be revised to be consistent with the language in the Amendment to the Factsheet issued with the Notice of Intent for this revision. The Department concurred.

3. Other Comments

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

**STATE OF FLORIDA
INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMITEE:
Florida Power & Light Company (FPL)

PERMIT NUMBER: FL0001546 (Major) Rev. A
FILE NUMBER: FL0001546-006-IW1S

RESPONSIBLE OFFICIAL:
Mr. Mark Lemasney
Plant Manager
200-300 Broadway
Riviera Beach, Florida 33404

ISSUANCE DATE: August 28, 2010
REVISION DATE: August 19, 2011
EXPIRATION DATE: August 27, 2015

FACILITY:

Riviera Beach Energy Center (RBEC)
200-300 Broadway
Riviera Beach, FL 33404
Palm Beach County
Latitude: 26°45'51.9" N Longitude: 80°03'9.89" 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 nameplate rating of 1250 megawatts (MW). RBEC consists of a combined cycle unit system, designated as Unit 5. Unit 5 consists of three gas turbines. Exhaust from each gas turbine passes through a separate supplementary gas fired heat recovery steam generator (HRSG). Steam from each HRSG is delivered to a single steam turbine-electrical generator. Unit 5 is capable of burning a variable combination of natural gas and No. 2 ultralow sulfur distillate fuel oil as a backup fuel oil.

Unit 5 has condenser once-through cooling water (OTCW) and auxiliary equipment cooling water (AECW) systems that use water from Lake Worth Lagoon, a coastal marine water body. AECW and other Unit 5 wastewater streams comeingle with the OTCW. The OTCW passes a seal well overflow structure (a structure that works as a dampener for the discharge). The majority of the combined OTCW and AECW flows are discharged through two submerged pipelines, approximately 2,000 feet in length that extend into the Lake Worth Lagoon. The ends of those pipes are located approximately at latitude 26°45' 52" N, longitude 80° 02' 21" W. The remaining portion of the OTCW is discharged to the facility's shoreline embayment to provide a warm-water refugia for West Indian Manatees pursuant to the facility's Manatee Protection Plan."

Unit 5 is also regulated under the Florida Electrical Power Plant Siting Act (License No. PA09-54).

WASTEWATER TREATMENT:

Once-through condenser cooling water and auxiliary equipment cooling water are chlorinated followed by dechlorination prior to discharge. OTCW is discharged via Outfall D-013. AECW is discharged via internal outfall I-015 to the OTCW conduits and hence to Outfall D-013. Metal cleaning wastewater and reverse osmosis membrane cleaning wastewater will be disposed of off-site. Regeneration of mixed bed ion exchange units will be performed off-site.

Plant/equipment drains that receive wash down water from cleaning and maintenance activities are routed through an oil/water separator prior to discharge via internal outfall I-016 to the OTCW conduits and hence to Outfall D-013. Water treatment plant wastewater (including Reverse Osmosis (RO) reject, softener, multimedia filter backwash, low-volume and metal cleaning wastewater) will be discharged from internal Outfall I-017 to the OTCW conduits and hence to Outfall D-013. When possible, Heat Recovery Steam Generator (HRSG) and Evaporative Cooler blowdown will be reused as make-up water

PERMITEE: Florida Power & Light Company
FACILITY: Riviera Beach Energy Center

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EXPIRATION DATE: August 27, 2015

to the on-site water treatment system. Alternatively, the combined blowdown will be discharged from internal outfall I-018 to the OTCW conduits and hence to Outfall D-013.

Equipment area storm water from the power block and transformer containment areas is routed through an oil/water separator and then to a series of connected on-site retention ponds (that also receive non-equipment area storm water) prior to discharge. Storm water discharges from RBECare authorized under the State-issued Water Multi-Sector General Permits for stormwater associated with Industrial Activities (MSGPs)

EFFLUENT DISPOSAL:

Surface Water Discharge D-009: An existing permitted discharge to Intracoastal Waterway, Class III Marine Waters (WBID 3226E1). The point of discharge is located approximately at 26° 45' 55" N, longitude 80° 03' 03" W.

Surface Water Discharge D-012/D-182: An existing permitted outfall to Intracoastal Waterway, Class III Marine Waters (WBID 3226E1). The point of discharge is located approximately at latitude 26°45' 50 N, longitude 80°03' 03" W.

Surface Water Discharge D-013: An existing permitted discharge to Intracoastal Waterway, Class III Marine Waters (WBID 3226E1). The point of discharge is located approximately at latitude 26°45' 52" N, longitude 80° 02' 40" W (seal well lat and long needed).

Internal Outfall I-015: A permitted discharge of auxiliary equipment cooling water leading to the OTCW conduits and hence to Outfall D-013. The point of discharge is located approximately at latitude 26°45' 52" N, longitude 80° 03' 40" W.

Internal Outfall I-016: A permitted discharge of plant/equipment drain wastewater leading to the OTCW conduits and hence to Outfall D-013. The point of discharge is located approximately at latitude 26°45' 52" N, longitude 80° 03' 40" W.

Internal Outfall I-017: A permitted discharge of water treatment plant wastewater leading to the OTCW conduits and hence to Outfall D-013. The point of discharge is located approximately at latitude 26°45' 52" N, longitude 80° 03' 40" W.

Internal Outfall I-018: A permitted discharge of HRSG blowdown leading to the OTCW conduits and hence to Outfall D-013. The point of discharge is located approximately at latitude 26°45' 52" N, longitude 80° 03' 40" W.

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 20 of this permit.

PERMITEE: Florida Power & Light Company
 FACILITY: Riviera Beach Energy Center

PERMIT NUMBER: FL0001546 (Major) Rev. A
 EXPIRATION DATE: August 27, 2015

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

1. The permittee shall not discharge from Outfall D-012/D-182 without written approval from the Department.
2. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge the combined plant discharge (consisting of once-through and auxiliary equipment cooling water, plant/equipment drain wastewater, water treatment plant wastewater, and HRSG/evaporative cooler blowdown) from Outfall D-013 to two submerged pipelines approximately 2,000 feet in length and the shoreline embayment. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3:

			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	Instant. Maximum Monthly Average	Continuous	Calculated	FLW-1	
Chlorination Duration	min/day	Max	120	Instant. Maximum	Daily; 24 hours	Calculated	OTH-1	See I.A.4
Oxidants, Total Residual	mg/L	Max Max	0.01 0.01	Daily Maximum Monthly Average	Weekly	Grab	EFF-1	See I.A.5
Temp. Difference between Intake and Discharge	Deg F	Max Max	Report Report	Daily Average Monthly Average	6 times per day	Meter	EFF-1 INT-1	
Temperature, Water	Deg F	Max Max	Report Report	Daily Average Monthly Average	6 times per day	Meter	EFF-1	
Copper, Total Recoverable	ug/L	Max Max	3.7 3.7	Daily Maximum Monthly Average	Monthly	24-hr FPC	EFF-1	See I.A.6
		Max Max	Report Report	Daily Maximum Monthly Average			INT-1	
Iron, Total Recoverable	mg/L	Max Max	0.3 0.3	Daily Maximum Monthly Average	Monthly	24-hr FPC	EFF-1	See I.A.6
		Max Max	Report Report	Daily Maximum Monthly Average			INT-1	
Thallium, Total Recoverable	ug/L	Max Max	6.3 6.3	Daily Maximum Monthly Average	Monthly	24-hr FPC	EFF-1	See I.A.6
		Max Max	Report Report	Daily Maximum Monthly Average			INT-1	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Americamysis bahia)	percent	Min	100	Single Sample	Quarterly	24-hr Composite	EFF-1 EFF-2	See I.A.7
Chronic Whole Effluent Toxicity, 7-Day IC25 (Menidia beryllina)	percent	Min	100	Single Sample	Quarterly	24-hr Composite	EFF-1	See I.A.7

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

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FACILITY: Riviera Beach Energy Center

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Monitoring Site Number	Description of Monitoring Site
FLW-1	Calculated flow for the combined discharge from Outfall D-013.
OTH-1	At the point of chlorine addition for Unit 5 OTCW
EFF-1	At the seal well overflow structure for Outfall D-013
INT-1	Once-through cooling water intake for Unit 5

4. Sodium hypochlorite and gaseous chlorine may be used as a biocide in the cooling water systems for Unit 5. No other biocide shall be used without explicit approval from the Department (see Permit Condition I.C.9).
5. 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 weekly when chlorine is in use. TRO monitoring requirements for Unit 5 are not applicable for any week in which chlorine is not added.

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).

6. The limits for Total Recoverable Copper, Iron, and Thallium shall be the water quality standards set forth in Rule 62-302.530, F.A.C., for Class III waters as specified here or the concentration of the intake cooling water, whichever is greater. If the Outfall D-013 composite sample exceeds the water quality standard concentration the Permittee shall analyze and report the intake concentration. The intake composite sample shall be collected on the same day as those for Outfall D-013. The intake composite samples shall be preserved and stored in accordance with DEP SOPs. If the intake concentration exceeds the water quality standard and the Outfall D-013 composite samples is less than or equal to the intake concentration, the facility shall be in compliance with the limitation. If both the intake concentration exceeds the water quality standard and the Outfall D-013 composite sample exceeds the intake concentration, the concentration of a minimum of five (5) additional subsamples shall be analyzed from the original intake and outfall composites. 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.
7. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-013.
 - 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. [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 day of the second month following the commercial operation date of RBEC 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 7.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

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upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 7.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 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.
 - (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.

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FACILITY: Riviera Beach Energy Center

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EXPIRATION DATE: August 27, 2015

- (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
Tallahassee Office
2600 Blair Stone Road, M.S. 3545
Tallahassee, Florida 32399-2400

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 7.a.(1).
- (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in 7.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 and conduct two additional follow-up tests on each species that failed the test in accordance with 7.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.

PERMITEE: Florida Power & Light Company
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- (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 7.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 7.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 7.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 7.(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)]

8. 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)]
9. Discharges from Outfall D-013 are subject to thermal limitations established by Rule 62-302.520(1), F.A.C.
10. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge intake screen wash water from Outfall D-009. Discharge of intake screen wash water is permitted without limitation or monitoring requirements.

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 **Auxiliary Equipment Cooling Water** from Outfall I-015 to the OTCW conduits and hence to Outfall D-013. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3:

			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	Daily Maximum Monthly Average	Continuous	Calculated	FLW-2	
Chlorination Duration	min/day	Max	1440	Instant. Maximum	Daily; 24 hours	Calculated	OUI-1	

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

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Monitoring Site Number	Description of Monitoring Site
FLW-2	Flow calculation for auxiliary equipment cooling water for Unit 5
OUI-1	At the point of chlorine addition for Unit 5 AECW

3. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Plant/Equipment Drain Wastewater** from I-016 to OTCW conduits and hence to Outfall D-013. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

			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	Daily Maximum Monthly Average	Monthly	Calculated	FLW-3	
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Monthly	Grab	OUI-2	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Monthly	Grab	OUI-2	
pH	s.u.	Min Max	6.0 9.0	Instant. Minimum Instant. Maximum	Monthly	Grab	OUI-2	

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

Monitoring Site Number	Description of Monitoring Site
FLW-3	Flow calculation for Plant/Equipment Drain Wastewater
OUI-2	At the point of discharge to the OTCW conduits

5. 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 Plant Wastewater** from I-017 to the OTCW conduits and hence to Outfall D-013. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

			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	Daily Maximum Monthly Average	2/month	Pump Logs	FLW-4	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	2/month	Composite	OUI-3	See I.B.7
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	2/month	Grab	OUI-3	
pH	s.u.	Min Max	6.0 9.0	Instant. Minimum Instant. Maximum	2/month	Grab	OUI-3	

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

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Monitoring Site Number	Description of Monitoring Site
FLW-4	Flow calculation for Water Treatment Plant Wastewater
OUI-3	At the point of discharge to the OTCW conduits and prior to mixing with any other wastewater stream.

7. The composite sample shall be consists of grab samples taken at the beginning, middle and end of the Backwash Basin discharge period.
8. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Heat Recovery Steam Generator Blowdown** from I-018 to the OTCW conduits and hence to Outfall D-013. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

			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	Daily Maximum Monthly Average	Monthly	Logs	FLW-4	
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Monthly	Grab	OUI-4	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Monthly	Grab	OUI-4	

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

Monitoring Site Number	Description of Monitoring Site
FLW-5	Flow calculation for Heat Recovery Steam Generator Blowdown
OUI-4	At the point of discharge to the OTCW conduits

C. 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

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- 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)]
3. 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, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

REPORT Type on DMR	Monitoring Period	Due Date
Monthly	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 electronic submission of DMR forms shall be accepted only if approved in writing by the Department. For purposes of determining compliance with this permit, data submitted in electronic format is legally equivalent to data submitted on signed and certified paper DMR forms.

The permittee 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

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Florida Department of Environmental Protection
Southeast District Office
400 N. Congress Ave.
West Palm Beach, Florida 33416
Phone Number - (561) 681-6600

[62-620.610(18)]

4. The permittee shall not submit DMR forms that alter the original format or content of the attached DMR forms without written approval from the Department's Southeast District Office at the address specified below:

Florida Department of Environmental Protection
Southeast District Office
400 N. Congress Ave.
West Palm Beach, Florida 33416
Fax Number - (561) 681-6760

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 above. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*
6. 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)]*
7. The Permittee shall develop a Plan of Study (POS), subject to Department review and approval, to monitor compliance with Rule 62-302.520(1), F.A.C. pursuant to the schedule in Item VI.2, including a proposed implementation schedule, designed to determine any effects on biological communities from the discharge to the Lake Worth Lagoon. The plan may include biological sampling prior to start-up of the RBEC Unit 5 in order to establish baseline biological conditions within the receiving waters. The plan shall address monitoring of aquatic species as necessary, including frequency of sampling. The POS shall incorporate relevant existing data developed by the Permittee and other sources as well as any necessary additional monitoring to be conducted by the Permittee.
8. The permittee shall develop a plan in accordance with the schedule in Condition VI.3 to return live fish, shellfish, and other aquatic organisms collected or trapped on the plant 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.
9. The permittee shall maintain plant intake traveling screen practices so as to assure that the screens are cycled at least twice during each 24 hours of continuous operation unless precluded by repair or maintenance requirements.
10. The plant intake through-screen velocity shall be maintained at or below levels that existed prior to plant conversion.
11. 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 either in accordance with: a) Department-issued permits governing soil thermal treatment (Chapter 62-713, F.A.C.) or Department-approved landfills provided the PCB concentrations meet the Florida landfill's permitted limit when concentrations are less than 50 ppm; or b) 40 CFR 761 when concentrations are greater than or equal to 50 ppm. *[40 CFR Part 423.12(b)(2)]*

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12. The Permittee shall continue compliance with the facility's Manatee Protection Plan approved by the Department on December 21, 2000, and the amendment approved on May 8, 2003, and as amended thereafter.
13. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream which ultimately may be released to 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.

The company shall notify the Department in writing no later than six (6) months prior to instituting use of any biocide or chemical (except chlorine as authorized elsewhere in this permit) used in the cooling systems or any other portion of the treatment system which may be toxic to aquatic life. Such notification 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 Waters for Freshwater and Marine Organisms, or most current addition.)
- f. Product data sheet
- g. Product label
- h. The Department shall review the above information to determine if a major or minor permit revision is necessary. Discharge associated with the use of such biocide or chemical is not authorized without a permit revision by the Department. Permit revisions shall be processed in accordance with the requirements of Chapter 62-620, F.A.C.

II. SLUDGE MANAGEMENT REQUIREMENTS

1. The permittee shall be responsible for proper treatment, management, use, and disposal of its sludge. [62-620.320(6)]
2. Decay vegetation and materials removed from intake screens and vegetation, sediments and sludge excavated from the settling basins, cooling tower basins and percolation basins must be properly stored onsite until they are disposed in accordance with requirements in chapter 62-701, F.A.C. and other applicable State and Federal requirements.

III. GROUND WATER REQUIREMENTS

There are no ground water monitoring requirements included in this permit.

IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

There are no land application discharges at this facility.

V. CONSTRUCTION, OPERATION AND MAINTENANCE REQUIREMENTS

A. General 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.

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- 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 the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
- b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
- c. 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;
- d. Records of all disposal of vegetation and materials removed from intake screens and vegetation, sediments and sludge removed from stormwater basins
- e. A copy of the current permit;
- f. A copy of any required record drawings; and
- g. 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]

B. Storm Water Requirements

The discharge of storm water runoff from this facility to surface waters of the state is not authorized under this Permit.

VI. SCHEDULES

1. 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)]
2. At least 18 months prior to the planned commercial operation date of the RBEC, the Permittee shall meet with the Department to discuss the content of a Plan of Study (POS) for biological monitoring in accordance with the requirements of Item I.C.7, and shall submit the POS At least 12 months prior to the planned commercial operation date of the RBEC. The Department will review the POS and provide written comments to the permittee as needed. The permittee shall implement the POS in accordance with the approved implementation schedule.
3. Within six months after the final 316(b) rule for existing facilities becomes effective, the permittee shall schedule a meeting with the Department to discuss the contents of the aquatic organism return plan in accordance with Condition I.C.8 and shall submit the plan to the Department within 6 months thereafter. The plan shall be implemented within 24 months of the plan being approved by the Department.
4. 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

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620 South Meridian Street
OES-BPS
Tallahassee, Florida 32399-1600

And

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

VII. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

This permit does not authorize storm water discharges.

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. 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 permit expiration date (January 28, 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. *[62-620.335(1)-(4), F.A.C.]*

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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)]

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 may 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).

IX. GENERAL CONDITIONS

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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 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(7), 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.

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[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 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)]

PERMITEE: Florida Power & Light Company
FACILITY: Riviera Beach Energy Center

PERMIT NUMBER: FL0001546 (Major) Rev. A
EXPIRATION DATE: August 27, 2015

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.
- 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.
 - 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.
 - Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - 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) 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.
 - 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.
 - 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 office 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.
- The following shall be included as information which must be reported within 24 hours under this condition:
 - Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - Any unauthorized discharge to surface or ground waters.
 - Oral reports as required by this subsection shall be provided as follows:
 - 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:
 - Name, address, and telephone number of person reporting;
 - Name, address, and telephone number of permittee or responsible person for the discharge;
 - Date and time of the discharge and status of discharge (ongoing or ceased);

PERMITEE: Florida Power & Light Company
FACILITY: Riviera Beach Energy Center

PERMIT NUMBER: FL0001546 (Major) **Rev. A**
EXPIRATION DATE: August 27, 2015

- (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 office 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 office shall waive the written report.

[62-620.610(20)]

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.

PERMITEE: Florida Power & Light Company
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PERMIT NUMBER: FL0001546 (Major) Rev. A
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- (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)]

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Mark P. Thomasson, P.E.
Director
Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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: Florida Power & Light (FPL)
MAILING ADDRESS: 700 Universe Blvd JES/JB
 Juno Beach, Florida 33408

FACILITY: Riviera Beach Energy Center
LOCATION: 200 - 300 Broadway
 Riviera Beach, FL 33404

COUNTY: Palm Beach
OFFICE: Southeast District

PERMIT NUMBER: FL0001546-006-1W1S

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-013
MONITORING GROUP DESCRIPTION: OTCW Discharge from Unit 5
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY:
PROGRAM: Monthly
 Industrial

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50040 1	Permit Requirement	Report (Inst Max)	Mgd				Continuous	Calculated
Mon Site No FFW-1	Sample Measurement							
Chlorination Duration	Permit Requirement						Daily, 24 hours	Calculated
PARM Code 78739 P	Sample Measurement							
Mon Site No OTH-1	Permit Requirement							
Oxidants, Total Residual	Sample Measurement							
PARM Code 34044 1	Permit Requirement							
Mon Site No EFF-1	Sample Measurement							
Temp. Diff. between Intake and Discharge	Permit Requirement							
PARM Code 61576 1	Sample Measurement							
Mon Site No EFF-1	Permit Requirement							
Temperature (F), Water	Sample Measurement							
PARM Code 00011 1	Permit Requirement							
Mon Site No EFF-1	Sample Measurement							
Copper, Total Recoverable	Permit Requirement							
PARM Code 01119 1	Sample Measurement							
Mon Site No EFF-1	Permit Requirement							
Copper, Total Recoverable	Sample Measurement							
PARM Code 01119 Q	Permit Requirement							
Mon Site No INT-1	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 (mm/dd/yyyy)

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

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: Florida Power & Light (FPL)
700 Universe Blvd JES/JB
MAILING ADDRESS: Juno Beach, Florida 33408

FACILITY: Riviera Beach Energy Center
LOCATION: 200 - 300 Broadway
Riviera Beach, FL 33404

COUNTY: Palm Beach
OFFICE: Southeast District

PERMIT NUMBER: FL0001546-006-IWIS

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-013
MONITORING GROUP DESCRIPTION: OTCW Discharge from Unit 5
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Quarterly
PROGRAM: Industrial

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
7-DAY CHRONIC STATRE Americanyis bahia(Routine) PARM Code TRP3E P Mon Site No EFF-1	Sample Measurement Permit Requirement						
7-DAY CHRONIC STATRE Americanyis bahia(Additional) PARM Code TRP3E Q Mon Site No EFF-1	Sample Measurement Permit Requirement		100 (Mm.)	percent		Quarterly	24-hr TPC
7-DAY CHRONIC STATRE Americanyis bahia(Additional) PARM Code TRP3E R Mon Site No EFF-1	Sample Measurement Permit Requirement		100 (Mm.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Menidia beryllina(Routine) PARM Code TRP63 P Mon Site No EFF-1	Sample Measurement Permit Requirement		100 (Mm.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Menidia beryllina(Additional) PARM Code TRP63 Q Mon Site No EFF-1	Sample Measurement Permit Requirement		100 (Mm.)	percent		Quarterly	24-hr TPC
7-DAY CHRONIC STATRE Menidia beryllina(Additional) PARM Code TRP63 R Mon Site No EFF-1	Sample Measurement Permit Requirement		100 (Mm.)	percent		As needed	As required by the permit

*ENTER "MNR" 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 (mm/dd/yyyy)

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

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 32309-2400

PERMITTEE NAME: Florida Power & Light (FPL)
MAILING ADDRESS: 700 Universe Blvd TFS/TR

PERMIT NUMBER:

FL0001546-006-IWIS

FACILITY: Riviera Beach Energy Center

LIMIT:
CLASS SIZE:
MONITORING GROUP ATTEND:

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

LOCATION: 200 - 300 Broadway

MONITORING GROUP NUMBER:

Auxiliary Equipment Cooling Water

COUNTY: Palm Beach
OFFICE: Southeast District

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From:

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 (mm/dd/yyyy)

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

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: Florida Power & Light (FPL)
MAILING ADDRESS: 700 Universe Blvd JES/B
Juno Beach, Florida 33408

FACILITY: Riviera Beach Energy Center
LOCATION: 200 - 300 Broadway
Riviera Beach, FL 33404

COUNTY: Palm Beach
OFFICE: Southeast District

PERMIT NUMBER: FL0001546-006-IWIS

Final	
MA	
LIMIT:	
CLASS SIZE:	

	COST EST.
MONITORING GROUP NUMBER:	
MONITORING GROUP DESCRIPTION:	

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

REPORT FREQUENCY: Monthly
PROGRAM: 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 (mm/dd/yyyy)

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 2541 3600 R.I. State Capitol
Providence, R.I. 02903

Juno Beach, Florida 33408

000 Blair Stone Road, Tallahassee, FL 32399-2400
FL0001546-006-IW1S

Riviera Beach, FL 33404

Final MA I-017	R P
Water Treatment Plant Wastewater	

Monthly Industrial

To:

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 (mm/dd/yyyy)

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

DEP Form 62-620.910(10), Effective Nov. 29, 1994

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: Florida Power & Light (FPL)
MAILING ADDRESS: 700 Universe Blvd JES/JB
Juno Beach, Florida 33408

FACILITY: Riviera Beach Energy Center
LOCATION: 200 - 300 Broadway
Riviera Beach, FL 33404

COUNTY: Palm Beach
OFFICE: Southeast District

PERMIT NUMBER: FL0001546-006-IW1S

LIMIT:	Final	REPORT FREQUENCY:	Monthly
CLASS SIZE:	MA	PROGRAM:	Industrial

CLASS SIZE: _____
MONITORING GROUP NUMBER: _____

MONITORING GROUP DESCRIPTION: Heat Recovery Steam Generator Blowdown

RE-SUBMITTED DMR:

☐ NO DISCHARGE FROM SITE: ☐

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 (mm/dd/yyyy)

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

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions 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
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

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:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

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.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

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/hailer, 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 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 for 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.