



Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

July 31, 2007

L-2007-117
10 CFR 50.36.b
EPP 3.2.3

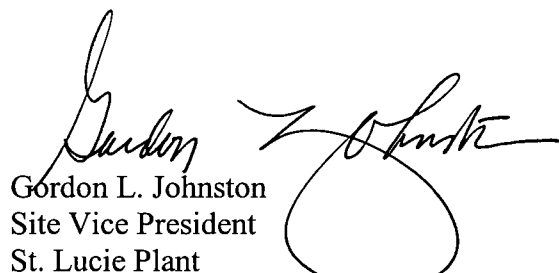
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Revision to Industrial Wastewater Facility Permit

The attached minor revision to the Industrial Wastewater Facility Permit is being submitted pursuant to the requirements of Section 3.2.3 of the St. Lucie Units 1 and 2 Environmental Protection Plans. The revision was approved on July 3, 2007.

Please contact Ken Frehafer at (772) 467-7748 if there are any questions on this matter.

Very truly yours,


Gordon L. Johnston
Site Vice President
St. Lucie Plant

GLJ/KWF

Attachment

COOL

WRR

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Revision to Industrial Wastewater Facility Permit

L-2007-117
Attachment
Page 1 of 6



Florida Department of
Environmental Protection

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

July 3, 2007

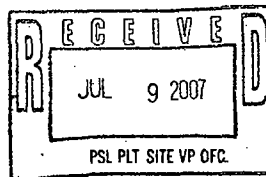
Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

BY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Gordon L. Johnston
Site Vice President - St. Lucie Plant
Florida Power & Light Company
6501 S. Ocean Drive
Jensen Beach, Florida 34957



RE: Florida Power & Light Company
NPDES Permit FL0002208
St. Lucie Power Plant, St. Lucie County
Minor Permit Revision

Dear Mr. Johnston:

On October 25, the Department received a minor permit revision application for the Florida Power & Light Company (FPL) St. Lucie Power Plant. The proposed permit revision is to authorize the discharge of stormwater and occasional wash-down water to the plant's intake canal through a new outfall from the on-site dry cask storage site for spent nuclear fuel. After review of the application, the Department has determined that the proposed revision to permit number FL0002208 does not change the characteristics of the effluent or increase the potential for adverse impact on the aquatic system. Because the proposed modification is not expected to result in any water quality degradation, the permit is hereby revised pursuant to Rules 62-620.200(24), 62-620.200(25), and 62-620.325(2), Florida Administrative Code. Note, this letter does not alter the expiration date, other Specific or General Conditions, or monitoring requirements of the permit. This letter and accompanying revised permit pages must be attached to the original permit.

The permit is revised as stated in the attached revised permit pages unless FPL decides to file a timely, sufficient petition for an administrative hearing under Section 120.57, Florida Statutes. The procedures for petitioning for a hearing are set forth in the attachment titled "Notice of Rights." If you have any questions regarding this permit revision, please contact Marc Harris, P.E., in the Industrial Wastewater Section at (850) 245-8589.

Sincerely,

Janet G. Llewellyn
Director
Division of Water Resource Management

JGL/wfr/bn

Attachment

cc: Tim Powell, P.E., DEP West Palm Beach
Mike Halpin, P.E., DEP Office of Siting Coordination
"More Protection, Less Process"
www.dep.state.fl.us

NOTICE OF RIGHTS

A person whose substantial interests are affected by this permit revision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Permit. A petitioner, other than the applicant, shall mail a copy of the petition to the applicant at the address indicated in the attached letter at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department case identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Revision to Industrial Wastewater Facility Permit

L-2007-117
Attachment
Page 3 of 6

PERMITTEE:

FPL - St. Lucie Power Plant
6451 S. Ocean Dr.
Jensen Beach, FL 34957

PERMIT NUMBER: FL0002208 (Rev. C)

Issuance date: December 9, 2005
Expiration date: December 8, 2010

Additions to the permit are identified by italics and underline. Deletions are identified by strikethrough.

EFFLUENT DISPOSAL:

Surface Water Discharge:

An existing discharge (1,478 MGD permitted maximum daily flow, 1,362 reported annual average daily flow) of OTCW and AECW via outfall D-001 to the onsite discharge canal to the point of discharge (POD) thence to the Atlantic Ocean, a Class III marine water.

Internal Outfalls:

Existing intermittent discharges from internal outfalls I-003 (Liquid Radiation Waste), I-005 (Steam Generator Blowdown), I-007 (Intake Screen Wash Water) and I-008 (Evaporation/Percolation Basin).

Stormwater Discharges:

Existing intermittent stormwater discharges from internal outfalls I-06B (Former Oil Storage Area) and I-06C (Non-Industrial Related Stormwater) and *I-06D (Spent Nuclear Fuel Dry Storage Area) to the intake canal via an outlet control structure. Discharge from I-06D will intermittently include wash-down water consisting of potable water with no additives.*

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions as set forth in Part I through Part VIII on pages 3 through 18 of this permit.

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Revision to Industrial Wastewater Facility Permit

L-2007-117
Attachment
Page 4 of 6

PERMITTEE: PERMIT NUMBER: FL0002208 (Rev. C)

FPL - St. Lucie Power Plant
6451 S. Ocean Dr.
Jensen Beach, FL34957

Issuance date: December 9, 2005
Expiration date: December 8, 2010

Additions to the permit are identified by italics and underline. Deletions are identified by strikethrough.

20. During the period beginning on the issuance date and lasting through the expiration date of this permit, the Permittee is authorized to discharge stormwater from Internal Outfall I-008 to intake canal. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameters (units)	Discharge Limitations		Monitoring Requirements		
	Daily Average	Daily Maximum	Monitoring Frequency	Sample Type	Sample Point
Flow (MGD)	Report	Report	Weekly when discharging	Calculated	OUI-5
Solids, Total Suspended (MG/L)	30.0	100.0	Weekly, when discharging	Grab	OUI-5
Oil and Grease (MG/L)	15.0	20.0	Weekly, when discharging	Grab	OUI-5

21. Effluent samples shall be taken at the monitoring site locations listed in permit condition I.A.20. and as described below:

Sample Point	Description of Monitoring Location
OUI-5	Stormwater discharge prior to entering the intake canal

22. Discharge of intake screen wash water from Internal Outfall I-007 is permitted without limitation or monitoring requirements.
23. There shall be no discharge of floating solids or visible foam in other than trace amounts.
24. The discharge shall not cause a visible sheen on the receiving water.
25. Discharge of stormwater and wash-down water consisting of potable water with no chemical additives discharge from Spent Nuclear Fuel Dry Storage Area to the intake canal through Internal Outfall I-06D is permitted without limitations or monitoring requirements.

B. Underground Injection Control Systems

This section is not applicable to this facility.

C. Land Application Systems

This section is not applicable to this facility.

D. Other Methods of Disposal or Recycling

1. There shall be no discharge of industrial wastewater from this facility to ground or surface waters, except as authorized by this permit.

E. 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 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 quantification limits), which is titled "Florida Department of Environmental Protection Table as

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Revision to Industrial Wastewater Facility Permit

L-2007-117
Attachment
Page 5 of 6

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

STATEMENT OF BASIS FOR MINOR PERMIT REVISION

Permit Number: FL0002208
DEP File No: FL0002208-006-IWB/MR
Designation: Major
Permit Writer: Bala Nori

Application Date: October 25, 2006

1. SYNOPSIS OF APPLICATION

A. Name and Address of Applicant

Florida Power & Light Company
Post Office Box 14000
Juno Beach, Florida 33408

For

St. Lucie Plant
6451 S. Ocean Drive
Jensen Beach, Florida 34957

B. Description of Proposed Activity:

The Department received a minor revision application dated October 25, 2006 (application complete June 1, 2007) requesting that the Department revise the permit to include internal discharge of non-contaminated stormwater and wash-down water from a newly constructed concrete pad within the plant site into the facility's cooling water intake canal. Previously, on March 29, 2006 the Department approved a minor permit revision for internal discharge from dewatering during construction of the concrete pad.

The concrete pad will be used for on-site storage of some of the facility's spent nuclear fuel rods in "dry casks." The dry casks are leak-tight steel cylinders filled with inert gas and encased in concrete vaults which will be located on the specially engineered concrete storage pad. The concrete pad with radiological monitoring instrumentation is called the "**Independent Spent Fuel Storage Installation**" (ISFSI). Construction, maintenance and radiological monitoring of the ISFSI is regulated by the U.S. Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 72. Non-radiological stormwater discharge from the ISFSI is regulated under the facility's NPDES permit. This minor revision only covers discharge of stormwater and wash-down water, and does not address or include any other aspects of ISFSI operations or activities.

The Permittee has presented information in the revision application providing reasonable assurances that the internal discharge of stormwater and occasional discharge of wash water from the concrete pad into the facility's cooling water intake canal will not result in exceedences of the applicable discharge limitations and water quality standards.

Discharge of Stormwater and Occasional Discharge of Wash Water:

Uncontaminated stormwater and wash-down water will be discharged from new Internal Outfall I-06D within the facility to the cooling water intake canal through a stormwater management system. The stormwater management system was approved by the Department's Southeast District in environmental resource permit (ERP), permit no. SI 56-0041384-003 dated June 1, 2006. Wash water will consist of potable water used to rinse incidental sand and dirt from the concrete pad. The revision does not authorize the use of any detergents or other chemical additives to the wash-down water.

This constitutes Revision C (Rev. C) to the permit. All changes to the permit are noted in Rev. C by underline or strike-through, with a margin bar indicating lines where changes have been made for this revision.