



March 29, 2016

L-2016-069  
10 CFR 50.36.b  
EPP 3.2.4

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  
Request to Renew Industrial Wastewater Facility Permit

The enclosure requests renewal of the St. Lucie Industrial Wastewater Facility Permit and is being submitted pursuant to the requirements of Section 3.2.4 of the St. Lucie Plant Units 1 and 2 Environmental Protection Plans.

Please contact Corey Spencer at 772-467-7436 if there are any questions on this matter.

Sincerely,

A handwritten signature in cursive script that reads "Christopher R. Costanzo".

Christopher R. Costanzo  
Site Vice President  
St. Lucie Plant

CRC/ttt

Enclosure: VPPSL050, RE: Permit No. FL0002208 IWW Permit Renewal Application - Florida Power & Light Company (FPL) - St. Lucie Power Plant (1 copy)

cc: USNRC Regional Administrator, Region II  
USNRC Senior Resident Inspector, St. Lucie Plant

CODI  
NRR

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

L-2016-069  
Enclosure

FPL letter VPPSL050 to FDEP-Marc Harris dated March 30, 2016  
(2 pages)

Geosyntec Report dated March 2016 includes FDEP Wastewater Signed Application  
Forms (pages 1-16, 2CS, and 2F-16)



March 29, 2016

Mr. Marc Harris, P.E.  
Supervisor, Power Plant NPDES Permitting  
Industrial Wastewater Section  
Florida Department of Environmental Protection  
2600 Blair Stone Road, MS 3545  
Tallahassee, FL 32399-2400

RE: Permit No. FL0002208 IWW Permit Renewal Application  
Florida Power & Light Company (FPL)  
St. Lucie Power Plant

Please find enclosed the following forms and supporting documentation for the renewal of the above referenced NPDES permit:

1. Signed and P.E. sealed Forms 1, 2CS and 2F including analytical reports, figures and other supporting documents. Note that Form 2CG was not required per direction from your staff. Also, several metals were detected in both the intake and discharge indicating that they are background concentrations and not introduced by the plant operations.
2. Check payable to FDEP for the \$7,500.00 processing fee.

As part of this permit renewal, FPL requests the following:

1. Remove the Outfall I-06C from the permit, because there is no industrial activity in the area that contributes to the discharge, only employee parking. In addition, the sample point for this outfall is difficult to access safely.
2. Authorize the use of Poly Acrylic Acid to help control feed water iron. The material will be stored in each unit's store room in two 180-gallon steel tote tanks positioned above a dosing skid. The dosing rate is expected to be in the range of 2 to 5 ppb. A Safety Data Sheet is included in the Attachments for reference.
3. Include a Mixing Zone for Total Residual Oxidants. A report on the justification for this is included in the Attachments.
4. Include a Mixing Zone for Thermal for heated water discharges. A Heated Water Plan of Study and Biological Plan of Study were completed and submitted to FDEP on December 12, 2014, in accordance with Conditions 17 and 20, respectively, of the Administrative Order AO-022-TL.

Please note that FPL proposes to prepare and submit permit application material in support of EPA's new §316(b) Rule within 45 months of the current permit expiration date, which would be June 29, 2020.

Additional time may eventually be necessary, but in any case we feel that all submittal requirements under 40 CFR 122.21(r)(2)-(13) should be complete prior to the next permit application renewal submittal due date (April 1, 2021).

If you have any comments or questions on this submittal, please contact Cory Spencer at 772-467-7436.

Sincerely,



Christopher R. Costanzo  
Site Vice President  
St. Lucie Plant

VPPSL050

Enclosures: (1) Signed application request and report prepared for Florida Power & Light Company (FPL) – St. Lucie Plant by Geosyntec dated March 2016 (2 copies) and (2) Check payable to FDEP for \$7,500.00

cc: FDEP – Southeast District Office  
FDEP – Siting Coordination Office  
FDEP – Local Office