



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 5, 2012

Mr. Mano Nazar
Executive Vice President
Nuclear and Chief Nuclear Officer
Florida Power and Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT UNIT 1
AND UNIT 2 (NRC INSPECTION REPORT 05000335/2011007 AND
05000389/2011007)**

Dear Mr. Nazar:

On February 15, 2012, the NRC staff completed its performance review of the St. Lucie Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, St. Lucie Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined plant performance during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS

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is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4721 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Daniel W. Rich, Chief
Reactor Projects Branch 3
Division of Reactor Projects

Docket Nos.: 50-335, 50-389
License Nos.: DPR-67, NPF-16

Enclosure: St. Lucie Nuclear Plant Inspection/
Activity Plan (03/01/12 - 06/30/13)

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/01/2012	03/15/2012	EPU INSP IP 71004	- EXTENDED POWER UPRATE INSPECTION Power Uprate	2
1, 2	04/02/2012	04/06/2012	PI&R IP 71152B	- PROBLEM IDENTIFICATION AND RESOLUTION Problem Identification and Resolution	6
1, 2	04/16/2012	04/20/2012	IP 71152B	Problem Identification and Resolution	
1, 2	06/04/2012	06/08/2012	TI-182 IP 2515/182	- TI-182 BURIED PIPING/TANK - PHASE 1 Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1, 2	06/11/2012	06/15/2012	PSB1EP IP 7111401	- EMERGENCY PREPAREDNESS EXERCISE Exercise Evaluation	4
1, 2	06/11/2012	06/15/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	06/11/2012	06/15/2012	IP 71151	Performance Indicator Verification	
2	06/27/2012	09/30/2012	EPU INSP IP 71004	- EXTENDED POWER UPRATE INSPECTION Power Uprate	3
1, 2	07/09/2012	07/13/2012	IP 71004	Power Uprate	
2	08/13/2012	08/17/2012	EB3 ISI IP 7111108P	- UNIT 2 INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
2	08/20/2012	08/24/2012	EB3SGISI IP 7111108P	- UNIT 2 SG INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
1, 2	10/01/2012	10/05/2012	CDBI IP 7111121	- COMPONENT DESIGN BASES Component Design Bases Inspection	6
1, 2	10/22/2012	10/26/2012	IP 7111121	Component Design Bases Inspection	
1, 2	11/05/2012	11/09/2012	IP 7111121	Component Design Bases Inspection	
1, 2	11/26/2012	11/30/2012	IP 7111121	Component Design Bases Inspection	
1, 2	10/15/2012	10/19/2012	PSB1-RP IP 71124.01	- RADIOLOGICAL HAZARD ASSESSMENT Radiological Hazard Assessment and Exposure Controls	2
1, 2	10/15/2012	10/19/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	10/15/2012	10/19/2012	IP 71151	Performance Indicator Verification	
1, 2	10/15/2012	10/19/2012	PSB1-RP IP 71124.06	- PUBLIC RADIATION SAFETY BASELINE Radioactive Gaseous and Liquid Effluent Treatment	3
1, 2	10/15/2012	10/19/2012	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	10/15/2012	10/19/2012	IP 71151	Performance Indicator Verification	
1	11/05/2012	11/09/2012	OL EXAM V23390	- INITIAL EXAM PREP ST LUCIE/DECEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3
1	12/03/2012	12/07/2012	OL EXAM V23390	- INITIAL EXAM - WEEK 1 ST LUCIE/DECEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	12/10/2012	12/14/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23390	ST LUCIE/DECEMBER 2012 INITIAL EXAM AT POWER FACILITIES	3
1, 2	02/19/2013	02/21/2013	STL TFP1 IP 7111105T	Fire Protection [Triennial]	4
1, 2	03/11/2013	03/15/2013	IP 7111105T	Fire Protection [Triennial]	
1, 2	03/25/2013	03/29/2013	IP 7111105T	Fire Protection [Triennial]	
1, 2	04/01/2013	06/30/2013	RESBASE - RES BASELINE 2 IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	2
1, 2	04/01/2013	06/30/2013	IP 7111101	Adverse Weather Protection	
1, 2	04/01/2013	06/30/2013	IP 7111104	Equipment Alignment (Quarterly)	
1, 2	04/01/2013	06/30/2013	IP 7111104S	Equipment Alignment	
1, 2	04/01/2013	06/30/2013	IP 7111105A	Fire Protection - Annual	
1, 2	04/01/2013	06/30/2013	IP 7111105Q	Fire Protection - Quarterly	
1, 2	04/01/2013	06/30/2013	IP 7111106	Flood Protection Measures	
1, 2	04/01/2013	06/30/2013	IP 7111107A	Heat Sink Performance	
1, 2	04/01/2013	06/30/2013	IP 7111111Q	Licensed Operator Requalification Program	
1, 2	04/01/2013	06/30/2013	IP 7111112Q	Maintenance Effectiveness	
1, 2	04/01/2013	06/30/2013	IP 7111113	Maintenance Risk Assessments and Emergent Work Control	
1, 2	04/01/2013	06/30/2013	IP 7111115	Operability Determinations and Functionality Assessments	
1, 2	04/01/2013	06/30/2013	IP 7111118	Plant Modifications	
1, 2	04/01/2013	06/30/2013	IP 7111119	Post Maintenance Testing	
1, 2	04/01/2013	06/30/2013	IP 7111120	Refueling and Other Outage Activities	
1, 2	04/01/2013	06/30/2013	IP 7111122	Surveillance Testing	
1, 2	04/01/2013	06/30/2013	IP 71151	Performance Indicator Verification	
1, 2	04/01/2013	06/30/2013	IP 71152	Problem Identification and Resolution	
1	04/01/2013	06/30/2013	IP 71153	Followup of Events and Notices of Enforcement Discretion	

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This report shows only on-site and announced inspection procedures.