



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

March 3, 2010

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 - ST. LUCIE NUCLEAR PLANT
(NRC INSPECTION REPORT 05000335/2010001, 05000389/2010001)**

Dear Mr. Nazar:

On February 10, 2010, the NRC staff completed its performance review of the St. Lucie Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only—Security-Related-Information" will include the security cornerstone review and resultant inspection plan.

Overall, St. Lucie Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. Although plant performance was within the Licensee Response column, the significance of two apparent violations associated with component cooling water (CCW) air intrusion issues identified in NRC Inspection Report Nos. 05000335, 389/2009007 is still under review as part of the Significance Determination Process which, when finalized, may change our assessment of your plant's safety performance.

During this assessment, a management meeting with FPL was conducted on October 20, 2010, to discuss employee concerns and the recent SCWE survey results at St. Lucie Nuclear Plant. A followup management meeting is being scheduled prior to the mid-cycle review in 2010 to discuss the status of FPL's employee concern improvement plans.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2011. In addition to ROP baseline inspection activities, we also plan on conducting several infrequently performed inspections, which include Operator Licensing Examinations, Temporary Instruction (TI) 2515/177, Managing Gas Accumulation in

Emergency Core Cooling, Decay Heat Removal & Containment Spray System, TI 2515/180, Inspection Procedures and Processes for Managing Fatigue, and TI 2515/172, Reactor Coolant System Dissimilar Metal Butt Welds. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4629 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Marvin D. Sykes, 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 (03/01/2010 - 06/30/2011)

cc w/encl: (See page 3)

cc w/encl:

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cc w/encl. (continued next page)

FP&L

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cc w/encl. (continued)

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Jack Southard

Director

Public Safety Department

St. Lucie County

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Saint Lucie
Inspection / Activity Plan
03/01/2010 - 06/30/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1	03/01/2010	03/05/2010	IP 71152B	Identification and Resolution of Problems	
1,2	03/15/2010	03/19/2010	IP 71152B	Identification and Resolution of Problems	
			EB3ISI - UNIT 1 INSERVICE INSPECTION		1
1	04/12/2010	04/16/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			EB3TI172 - EB3 RCS DM BUTT WELDS		1
1,2	04/12/2010	04/16/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			PSB1-RP - RP ACCESS CONTROLS		2
1,2	05/10/2010	05/14/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
1,2	05/10/2010	05/14/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	05/10/2010	05/14/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	05/10/2010	05/14/2010	IP 71124.04	Occupational Dose Assessment	
			EB3 HS - HEAT SINK INSPECTION		2
1,2	07/12/2010	07/16/2010	IP 7111107T	Heat Sink Performance	
			EB1 - MODIFICATIONS - 10CFR50.59		2
1,2	07/26/2010	07/30/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	08/09/2010	08/13/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			DRP/BR3 - TI - 2515/180		1
1,2	08/01/2010	09/30/2010	IP 2515/180	Inspection of Procedures and Processes for Managing Fatigue	
			PSB1-RP - RP PUBLIC RADIATION PROTECTION		3
1,2	08/30/2010	09/03/2010	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	08/30/2010	09/03/2010	IP 71124.07	Public Radiation Safety	
1,2	08/30/2010	09/03/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1,2	08/30/2010	09/03/2010	IP 71151	Performance Indicator Verification	
			TI-177 - GASEOUS INTRUSION		2
1,2	10/25/2010	10/29/2010	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			EB3ISI - UNIT 2 INSERVICE INSPECTION		1
2	01/10/2011	01/14/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			PSB1-RP - RP OCCUPATIONAL WEEK 1		3
1,2	01/10/2011	01/14/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	01/10/2011	01/14/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	01/10/2011	01/14/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	01/10/2011	01/14/2011	IP 71151	Performance Indicator Verification	
			EB3SGISI - UNIT 2 SG INSERVICE INSPECTION		1
2	01/17/2011	01/21/2011	IP 7111108P	Inservice Inspection Activities - PWR	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Enclosure

Saint Lucie
Inspection / Activity Plan
03/01/2010 - 06/30/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL PREP WEEK		5
1	01/24/2011	02/04/2011	V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			PSB1-RP - RP OCCUPATIONAL WEEK 2		2
1,2	02/07/2011	02/11/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1,2	02/07/2011	02/11/2011	IP 71151	Performance Indicator Verification	
			PSB1EP - EMERGENCY PREPAREDNESS INSPECTION		1
1,2	02/14/2011	02/18/2011	IP 7111402	Alert Notification System Evaluation	
1,2	02/14/2011	02/18/2011	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	02/14/2011	02/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	02/14/2011	02/18/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	02/14/2011	02/18/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	02/14/2011	02/18/2011	IP 71151-EP02	ERO Drill Participation	
1,2	02/14/2011	02/18/2011	IP 71151-EP03	Alert & Notification System	
			OL EXAM - INITIAL EXAM WEEK 1		7
1	02/21/2011	02/25/2011	V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM WEEK 2		6
1	02/28/2011	03/04/2011	V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM WEEK 3		6
1	03/14/2011	03/18/2011	V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	

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Enclosure