



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

September 1, 2009

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

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – ST. LUCIE
NUCLEAR PLANT**

Dear Mr. Nazar:

On August 12, 2009, 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 July 1, 2008 through June 30, 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 Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at St. Lucie Units 1 and 2 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.

The enclosed inspection plan details the inspections, less those related to security scheduled through December 31, 2010. In addition to ROP baseline inspection activities, we also plan on conducting several infrequently performed inspections, which include Temporary Instruction (TI) 2515/172, Reactor Coolant System Dissimilar Metal Butt Welds; TI/2515/173, Review of the Implementation of the Industry Ground Water Protection Volunteer Initiative; Operator Licensing Examinations; and independent spent fuel storage installation (ISFSI) routine loading. 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 end-of-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).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the 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 and 72-061
License Nos.: DPR-67, NPF-16

Enclosure: St. Lucie Nuclear Plant Inspection/Activity Plan (09/01/09 - 12/31/10)

cc w/encl: (See page 3)

cc w/encl:

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Saint Lucie
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			INSP - COMPONENT DESIGN BASIS INSPECTION (CDBI)		7
1, 2	08/31/2009	09/04/2009	IP 7111121	Component Design Bases Inspection	
			OL EXAM - INITIAL EXAM PREP		3
1	09/14/2009	09/18/2009	V23309	ST LUCIE/OCTOBER 2009 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM WEEK 1		3
1	09/28/2009	10/01/2009	V23309	ST LUCIE/OCTOBER 2009 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		3
1	10/05/2009	10/09/2009	V23309	ST LUCIE/OCTOBER 2009 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 3		3
1	10/19/2009	10/23/2009	V23309	ST LUCIE/OCTOBER 2009 EXAM AT POWER FACILITIES	
			OL RQ - REQUAL INSPECTION		2
1, 2	11/16/2009	11/20/2009	IP 7111111B	Licensed Operator Requalification Program	
			PSB1EP - EMERGENCY PREPAREDNESS EXERCISE		3
1, 2	02/22/2010	02/26/2010	IP 7111401	Exercise Evaluation	
1, 2	02/22/2010	02/26/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	02/22/2010	02/26/2010	IP 71151	Performance Indicator Verification	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1	03/01/2010	03/04/2010	IP 71152B	Identification and Resolution of Problems	
1, 2	03/15/2010	03/19/2010	IP 71152B	Identification and Resolution of Problems	
			ISFSI - ISFSI ROUTINE LOADING		2
1, 2	04/01/2010	06/30/2010	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			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 7112101	Access Control to Radiologically Significant Areas	
			EB3 HS - HEAT SINK INSPECTION		1
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	
			PSB1-RP - RP PUBLIC RADIATION PROTECTION		3
1, 2	08/30/2010	09/03/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	

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
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
PSB1-RP - RP PUBLIC RADIATION PROTECTION					3
1,2	08/30/2010	09/03/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
1,2	08/30/2010	09/03/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
1,2	08/30/2010	09/03/2010	IP 71151	Performance Indicator Verification	
EB3ISI - UNIT 2 INSERVICE INSPECTION					1
2	11/22/2010	11/26/2010	IP 7111108P	Inservice Inspection Activities - PWR	
EB3T172 - EB3 RX COOLANT SYS DM BUTT WELDS					1
2	11/22/2010	11/26/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
EB3SGISI - UNIT 2 SG INSERVICE INSPECTION					1
2	11/29/2010	12/03/2010	IP 7111108P	Inservice Inspection Activities - PWR	

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Enclosure