



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

August 31, 2006

Florida Power and Light Company  
ATTN: Mr. J. A. Stall, 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. Scarola:

On August 2, 2006, the NRC staff completed its performance review of the St. Lucie Nuclear Power Plant for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

Overall, both St. Lucie Units operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for St. Lucie Units 1 and 2 for the most recent quarter was in 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. In addition to the ROP baseline inspections, we plan to conduct non-baseline inspections involving containment sump blockage, verification of Mitigating Systems Performance Index, and Independent Spent Fuel Storage Installation.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to minimize the resource impact on your staff and 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 twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4560 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Joel T. Munday, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket Nos.: 50-335, 50-389, 72-61

License Nos.: DPR-67, NPF-16

Enclosure: St. Lucie Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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**Saint Lucie**  
**Inspection / Activity Plan**  
**09/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>2515/169 - TI 2515/169 - MSPI VERIFICATION</b>		<b>1</b>			
1,2	IP 2515/169	Mitigating Systems Performance Index Verification		08/01/2006	12/31/2006	Safety Issues
	<b>EB2-TFP - TRIENNIAL FP PRE-INSPECTION VISIT</b>		<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		09/05/2006	09/07/2006	Baseline Inspections
	<b>EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		10/02/2006	10/06/2006	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		10/16/2006	10/20/2006	Baseline Inspections
	<b>PSB1-RP - RP PUBLIC PRE-INSP VISIT</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/09/2006	10/11/2006	Baseline Inspections
	<b>PSB1-RP - RP PUBLIC BASELINE INSP</b>		<b>4</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/30/2006	11/03/2006	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/30/2006	11/03/2006	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		10/30/2006	11/03/2006	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		10/30/2006	11/03/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		10/30/2006	11/03/2006	Baseline Inspections
	<b>EB3-HS - HEAT SINK</b>		<b>2</b>			
1,2	IP 7111107B	Heat Sink Performance		01/08/2007	01/12/2007	Baseline Inspections
	<b>PS2-EP - EP INSP</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		02/05/2007	02/09/2007	Baseline Inspections
	<b>EB1-MODS - MODIFICATIONS/10CFR50.59</b>		<b>4</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/26/2007	03/02/2007	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		02/26/2007	03/02/2007	Baseline Inspections
	<b>PSB1-RP - RP OCCUPATIONAL BASELINE INSPECTION</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/02/2007	04/06/2007	Baseline Inspections
	<b>EB3-ISI - U1 INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/09/2007	04/13/2007	Baseline Inspections
	<b>EB3SGISI - U1 STEAM GENERATOR ISI</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/16/2007	04/20/2007	Baseline Inspections
	<b>EB1-SUMP - PWR CONTAINMENT SUMP BLOCKAGE TI (U-1)</b>		<b>1</b>			
1	IP 93812	Special Inspection		04/22/2007	04/27/2007	Event Response Insp

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**  
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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>60854</b>	<b>- ISFSI CONSTRUCTION</b>	<b>1</b>			
1	IP 60854	Preoperational Testing Of An ISFSI		07/09/2007	07/13/2007	Other Routine
	<b>EB1-CDB</b>	<b>- COMPONENT DESIGN BASES INSPECTION</b>	<b>6</b>			
1,2	IP 7111121	Component Design Bases Inspection		09/17/2007	09/21/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/01/2007	10/05/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/15/2007	10/19/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		10/29/2007	11/02/2007	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL PRE-INSP VISIT</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/09/2007	10/11/2007	Baseline Inspections
	<b>EB3-ISI</b>	<b>- U2 INSERVICE INSPECTION</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/22/2007	10/26/2007	Baseline Inspections
	<b>OL RQ</b>	<b>- LICENSED OPERATOR REQUAL INSPECTION</b>	<b>4</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		10/22/2007	10/26/2007	Baseline Inspections
	<b>EB3SGRP</b>	<b>- STEAM GENERATOR REPLACEMENT</b>	<b>7</b>			
2	IP 50001	Steam Generator Replacement Inspection		10/29/2007	11/02/2007	Other Routine
2	IP 50001	Steam Generator Replacement Inspection		11/26/2007	11/30/2007	Other Routine
2	IP 50001	Steam Generator Replacement Inspection		12/17/2007	12/21/2007	Other Routine
	<b>EB3HEAD</b>	<b>- REACTOR HEAD REPLACEMENT</b>	<b>2</b>			
2	IP 71007	Reactor Vessel Head Replacement Inspection		11/05/2007	11/09/2007	Other Routine
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASLINE INSP WK 1</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		11/05/2007	11/09/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		11/05/2007	11/09/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		11/05/2007	11/09/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/05/2007	11/09/2007	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASELINE INSP WK 2</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		11/26/2007	11/30/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/26/2007	11/30/2007	Baseline Inspections
	<b>EB1-SUMP</b>	<b>- PWR CONTAINMENT SUMP BLOCKAGE TI (U-2)</b>	<b>1</b>			
2	IP 93812	Special Inspection		12/16/2007	12/21/2007	Event Response Insp
	<b>PS2-EP</b>	<b>- EP EXERCISE</b>	<b>2</b>			
1,2	IP 7111401	Exercise Evaluation		02/18/2008	02/22/2008	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/18/2008	02/22/2008	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		02/18/2008	02/22/2008	Baseline Inspections

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<b>PS2-EP - EP EXERCISE</b>			<b>2</b>			
1, 2	IP 71151-EP02	ERO Drill Participation		02/18/2008	02/22/2008	Baseline Inspections
1, 2	IP 71151-EP03	Alert & Notification System		02/18/2008	02/22/2008	Baseline Inspections

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