



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

March 3, 2008

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: ANNUAL ASSESSMENT LETTER – ST. LUCIE NUCLEAR PLANT  
(NRC INSPECTION REPORT 05000335/2008001 AND 05000389/2008001)

Dear Mr. Stall:

On February 7, 2008, 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, 2007. 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.

Overall, St. Lucie 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. We also plan on conducting several non-ROP inspections which include TI 2515/171, Verification of Site Specific (B.5.b) Phase 2 and 3 Mitigation Strategies and TI 2515/172, Reactor Coolant System Dissimilar Metal.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2009. 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 Inspection/Activity Plan (03/01/08 - 09/30/09)

cc w/encl: (See page 3)

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NAME	MSykes	JHamman					
DATE	03/03/2008	03/03/2008					
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Letter to J. A. Stall from Marvin D. Sykes dated March 3, 2008.

SUBJECT: ANNUAL ASSESSMENT LETTER – ST. LUCIE NUCLEAR PLANT  
(NRC INSPECTION REPORT 05000335/2008001 AND 05000389/2008001)

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**Saint Lucie**  
**Inspection / Activity Plan**  
**03/03/2008 - 06/30/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PI&amp;R - PREP TRIP-PROBLEM ID AND RESOL</b>		<b>1</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		05/26/2008	05/30/2008	Baseline Inspections
	<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>			
1	V23284	ST LUCIE/JULY 2008 EXAM AT POWER FACILITIES		06/30/2008	07/03/2008	Not Applicable
	<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>5</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		07/07/2008	07/11/2008	Baseline Inspections
1, 2	IP 71152B	Identification and Resolution of Problems		07/21/2008	07/25/2008	Baseline Inspections
	<b>OL EXAM - INITIAL EXAM</b>		<b>3</b>			
1	V23284	ST LUCIE/JULY 2008 EXAM AT POWER FACILITIES		07/21/2008	08/01/2008	Not Applicable
	<b>PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT</b>		<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		08/11/2008	08/13/2008	Baseline Inspections
	<b>TI-171 - B.5.B PHASE 2&amp;3</b>		<b>3</b>			
1, 2	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		08/25/2008	08/29/2008	Generic Safety Inspecti
	<b>PSB1-RP - RADIATION PROTECTION PUBLIC BASELINE</b>		<b>4</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		09/08/2008	09/12/2008	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/08/2008	09/12/2008	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/08/2008	09/12/2008	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		09/08/2008	09/12/2008	Baseline Inspections
1, 2	IP 71151-OR01	Occupational Exposure Control Effectiveness		09/08/2008	09/12/2008	Baseline Inspections
1, 2	IP 71151-PR01	RETS/ODCM Radiological Effluent		09/08/2008	09/12/2008	Baseline Inspections
	<b>EB3ISI - U1 ISI</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/13/2008	10/17/2008	Baseline Inspections
	<b>EB3SGISI - UNIT 1 SGISI</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/20/2008	10/24/2008	Baseline Inspections
	<b>EB3TI172 - TI-172</b>		<b>1</b>			
1, 2	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		11/17/2008	11/21/2008	Generic Safety Inspecti
	<b>STL TFPI - TFPI INSP</b>		<b>7</b>			
1, 2	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]		01/26/2009	01/30/2009	Baseline Inspections
1, 2	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]		02/09/2009	02/13/2009	Baseline Inspections
	<b>PSB1EP - EP INSP</b>		<b>1</b>			
1, 2	IP 7111402	Alert and Notification System Testing		02/09/2009	02/13/2009	EP Baseline Inspection
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		02/09/2009	02/13/2009	EP Baseline Inspection
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/09/2009	02/13/2009	EP Baseline Inspection
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/09/2009	02/13/2009	EP Baseline Inspection
1, 2	IP 71151	Performance Indicator Verification		02/09/2009	02/13/2009	Baseline Inspections

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**  
**03/03/2008 - 06/30/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/23/2009	02/25/2009	Baseline Inspections
	<b>PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK1</b>		<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/27/2009	05/01/2009	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		04/27/2009	05/01/2009	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		04/27/2009	05/01/2009	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/27/2009	05/01/2009	Baseline Inspections
	<b>EB3ISI - UNIT 2 ISI</b>		<b>2</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		05/04/2009	05/08/2009	Baseline Inspections
	<b>PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK2</b>		<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/11/2009	05/15/2009	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		05/11/2009	05/15/2009	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		05/11/2009	05/15/2009	Baseline Inspections