



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

March 4, 2013

Mr. Mano Nazar
Executive Vice President 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 (REPORT 05000335/2012001 AND 05000389/2012001)**

Dear Mr. Nazar:

On February 13, 2013, the NRC completed its end-of-cycle performance review of St. Lucie Nuclear Plant Unit 1 and Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, St. Lucie Unit 1 and Unit 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at St. Lucie Unit 1 and Unit 2 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.

While performance at St. Lucie Unit 2 remained in the Licensee Response Column for the entire assessment period, the NRC determined that performance at St. Lucie Unit 1 was within the Degraded Cornerstone Column of the NRC's ROP Action Matrix during the first three quarters of the assessment period because of two White PIs in the Initiating Events cornerstone (Unplanned Scrams per 7000 Critical Hours and Unplanned Scrams with Complications). The two White PIs were identified in the first quarter of 2012. On October 12, 2012, the NRC completed a supplemental inspection in accordance with Inspection Procedure 95002, and confirmed that you had adequately addressed the two White indicators. The inspection was documented in Inspection Report 05000335/2012009 dated November 16, 2012 (ML12321A239). Following completion of the inspection, the NRC's review of St. Lucie

Unit 1 PIs identified that the PI for Unplanned Scrams with Complications had returned to the Green threshold at the start of the third quarter of 2012, while the PI for Unplanned Scrams per 7000 Critical Hours PI remained in the White performance band. As a result, NRC determined the performance at St. Lucie Unit 1 transitioned from the Degraded Cornerstone to the Regulatory Response Column of the ROP Action Matrix on November 16, 2012. The NRC's review of St. Lucie Unit 1 PIs in the fourth quarter of 2012 identified that the Unplanned Scrams per 7000 Critical Hours PI had returned to the Green performance band. Therefore, the NRC determined the performance of St. Lucie Unit 1 returned to the Licensee Response Column of the ROP Action Matrix as of November 16, 2012.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. 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 mid-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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

We also plan on conducting one non-ROP inspection; Temporary Instruction (TI) 2515/182, Review of Implementation of the Industry Initiative to Control Degradation of Underground Piping – Phase 2.

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

Please contact Shane Sandal at (404) 997-4513 with any questions you may have regarding this letter.

Sincerely,

/RA/

Victor M. McCree
Regional Administrator

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

Enclosure:
St. Lucie Nuclear Plant Inspection/
Activity Plan (03/01/2013 - 06/30/2014)

cc w/encl: (See page 3)

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cc w/encl: (See page 3)

X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: ☐ Yes

ACCESSION NUMBER: _____

X SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:ORA	RII:ORA		
SIGNATURE	MJR /RA/	SRS /RA/	RPC /RA/	LDW /RA/	VMM /RA/		
NAME	MRiches	SSandal	RCroteau	LWert	VMcCree		
DATE	02/22/2013	02/22/2013	02/25/2013	03/01/2013	03/04/2013		
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: [HTTP://PORTAL.NRC.GOV/EDO/RII/DRP/BRANCH3/BRANCH 3 PLANT INFORMATION/ST. LUCIE 2012 ANNUAL ASSESSMENT LETTER.DOCX](http://portal.nrc.gov/EDO/RII/DRP/BRANCH3/BRANCH%203%20PLANT%20INFORMATION/ST.%20LUCIE%202012%20ANNUAL%20ASSESSMENT%20LETTER.DOCX)

M. Nazar

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cc w/encl:
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M. Nazar

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Letter to Mano Nazar from Victor M. McCree dated March 4, 2013

SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT UNIT 1
AND UNIT 2 (REPORT 05000335/2012001 AND 05000389/2012001)

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMStLucie Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Saint Lucie

Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		TFPI - TRIENNIAL FIRE PROTECTION INSP		5
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]	
		HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1, 2	07/08/2013 07/12/2013	IP 7111107T	Heat Sink Performance	
		OL REQ - REQUAL INSPECTION		2
1, 2	08/19/2013 08/23/2013	IP 7111111B	Licensed Operator Requalification Program	
		TI-182 - TI-182 BURIED PIPING/TANK - PHASE 2		1
1, 2	09/16/2013 09/18/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		RP - RP OCCUPATIONAL BASELINE		3
1, 2	09/16/2013 09/20/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/16/2013 09/20/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/16/2013 09/20/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/16/2013 09/20/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	09/16/2013 09/20/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/16/2013 09/20/2013	IP 71151	Performance Indicator Verification	
		RP - RP OCCUPATIONAL BASELINE WEEK2		3
1, 2	09/30/2013 10/04/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/30/2013 10/04/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/30/2013 10/04/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/30/2013 10/04/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	09/30/2013 10/04/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/30/2013 10/04/2013	IP 71151	Performance Indicator Verification	
		ISI - UNIT 1 INSERVICE INSPECTION		1
1	10/07/2013 10/11/2013	IP 7111108P	Inservice Inspection Activities - PWR	
		SGISI - UNIT 1 SG INSERVICE INSPECTION		1
1	10/14/2013 10/18/2013	IP 7111108P	Inservice Inspection Activities - PWR	
		EP - EP EXERCISE		1
1, 2	02/17/2014 02/21/2014	IP 7111401	Exercise Evaluation	
1, 2	02/17/2014 02/21/2014	IP 71151	Performance Indicator Verification	
		RP - RP PUBLIC RADIATION BASELINE		2
1, 2	01/27/2014 01/31/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	01/27/2014 01/31/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	01/27/2014 01/31/2014	IP 71151	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.

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

Enclosure

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
2	03/10/2014	03/14/2014	ISI - UNIT 2 IN-SERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
2	03/17/2014	03/21/2014	SGISI - UNIT 2 SG IN-SERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1, 2	03/24/2014	03/28/2014	RP - RADIOLOGICAL HAZARDS AND TRANSPORTATION IP 71124.01	Radiological Hazard Assessment and Exposure Controls	2
1, 2	03/24/2014	03/28/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	03/24/2014	03/28/2014	IP 71151	Performance Indicator Verification	

Comments: