



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
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ATLANTA, GEORGIA 30303-1257

March 4, 2011

Mr. Mano Nazar
Executive Vice President
Nuclear and Chief Nuclear Officer
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P.O. Box 14000
Juno Beach, FL 33408-0420

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT, UNITS 1
AND 2 – (NRC INSPECTION REPORT NOS. 05000335/2011001 AND
05000389/2011001)**

Dear Mr. Nazar:

On February 8, 2011, the NRC completed its end-of-cycle performance review of St. Lucie Nuclear Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan does not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, St. Lucie Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at St. Lucie Units 1 and 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 safety significance (Green), and all PIs indicated that your performance was within the nominal, expected range (Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

St. Lucie Unit 1 was within the Degraded Cornerstone Column of the NRC's Action Matrix for the first three quarters of the assessment period based on the issuance of one finding classified as having moderate safety significance (Yellow), which originated in the fourth quarter of calendar year 2009. The Yellow finding was finalized in a letter dated April 19, 2010, and involved failure to identify and correct a significant condition adverse to quality affecting the Unit 1 component cooling water system. On September 30, 2010, the NRC completed a supplemental inspection, and determined that the licensee adequately addressed the Yellow finding. The results of the inspection were documented in inspection report 05000335/2010009, issued on November 3, 2010 (ML103070200). The NRC determined the performance at St. Lucie Unit 1 returned to the Licensee Response Column of the Reactor Oversight Process Action Matrix in the fourth quarter of calendar year 2010.

The staff identified a cross cutting theme for St. Lucie Units 1 and 2. Four inspection findings were documented during the current 12 month assessment period with cross-cutting aspects in the area of Problem Identification and Resolution. The common aspect associated with these

findings was failure to take appropriate and timely corrective actions (P.1(d)). All of the findings were of very low safety significance (Green). In order to determine whether a substantive cross-cutting issue should be identified, the NRC evaluated Florida Power and Light's actions to identify and investigate the causes of the cross-cutting theme, and to plan and implement corrective actions to minimize additional findings with a similar aspect. The NRC determined that a substantive cross-cutting issue does not exist because your staff took prompt action to assess the common and root causes of the issues involved. Your staff recognized the potential for a cross-cutting theme in November 2010 after a total of three findings with similar aspects were identified and initiated a Root Cause Evaluation (RCE). This RCE generated new corrective actions, but also found that several of the corrective actions initiated as a result of the Yellow finding described above would effectively address the issues involved. Those corrective actions were focused on improved screening and resolution of corrective action program issues and improved operability and root cause evaluations. The NRC reviewed the implementation of many of those corrective actions during the supplemental inspection conducted in accordance with inspection procedure 95002 in September 2010. As a result of the supplemental inspection and recent review of the RCE, NRC found that your planned corrective actions and effectiveness reviews should be effective in addressing the issues involved in the cross-cutting theme. Since the scope and progress of your efforts in addressing the cross cutting theme were adequate, the NRC determined a substantive cross-cutting issue does not exist.

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. Please note the planned Initial Reactor Operator License Examinations. 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.

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 Dan Rich at (404) 997-4721 with any questions you may have regarding this letter or the inspection plan.

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 (03/01/11 – 06/30/12)

cc w/encl.: (See page 4)

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	02/28/2011	03/04/2011	OL EXAM - INITIAL EXAM WEEK 2 V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	6
1	03/14/2011	03/18/2011	OL EXAM - INITIAL EXAM WEEK 3 V23334	ST LUCIE/FEBRUARY 2011 EXAM AT POWER FACILITIES	6
1,2	07/25/2011	07/29/2011	OL RQ - REQUAL INSPECTION IP 7111111B	Licensed Operator Requalification Program	4
1	09/05/2011	09/09/2011	EB3 ISI - UNIT 1 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1	09/12/2011	09/16/2011	EB3SGISI - UNIT 1 SG INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	2
1,2	10/03/2011	10/07/2011	PSB1-HP - RP INSTRUMENTS (DEFERRED FROM JANUARY) IP 71124.05	Radiation Monitoring Instrumentation	1
1,2	01/23/2012	01/27/2012	STL TFP1 - TRIENNIAL FIRE PROTECTION INSPECTION IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]	6
1,2	02/06/2012	02/10/2012	PSB1EP - EMERGENCY PREPAREDNESS EXERCISE IP 7111401	Exercise Evaluation	3
1,2	02/20/2012	02/24/2012	PI&R - PROBLEM IDENTIFICATION AND RESOLUTION IP 71152B	Emergency Action Level and Emergency Plan Changes	5
1,2	03/05/2012	03/12/2012	PI&R - PROBLEM IDENTIFICATION AND RESOLUTION IP 71152B	Identification and Resolution of Problems	5
1,2	03/19/2012	03/23/2012	OL EXAM - INITIAL EXAM PREP V23369	Identification and Resolution of Problems	2
1	03/26/2012	03/30/2012	EB3 ISI - UNIT 2 INSERVICE INSPECTION IP 7111108P	ST LUCIE / APRIL 2012 EXAM AT POWER FACILITIES	1
2	04/16/2012	04/20/2012	OL EXAM - INITIAL EXAM - WEEK 1 V23369	Inservice Inspection Activities - PWR	2
1	04/16/2012	04/20/2012	EB3SGISI - UNIT 2 SG INSERVICE INSPECTION IP 7111108P	ST LUCIE / APRIL 2012 EXAM AT POWER FACILITIES	1
2	04/23/2012	04/27/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23369	Inservice Inspection Activities - PWR	2
1	04/23/2012	04/27/2012	PSB1-RP - RADIOLOGICAL HAZARD ASSESSMENT IP 71124.01	ST LUCIE / APRIL 2012 EXAM AT POWER FACILITIES	2
1,2	05/21/2012	05/25/2012		Radiological Hazard Assessment and Exposure Controls	2