



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

March 2, 2016

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR SAINT LUCIE NUCLEAR PLANT
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000335/2015006 AND
05000389/2015006)**

Dear Mr. Nazar:

On February 10, 2016, 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, 2015 through December 31, 2015. 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 Nuclear Plant 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 Plant 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. Saint Lucie Plant Unit 1 had been in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix until the end of the second quarter in 2015, due to a White finding that resulted in an Action Matrix input to the Mitigating Systems cornerstone identified at the beginning of the third quarter of 2014 (Inspection Report Number 05000335/2014009 and 05000389/2014009). Unit 1 transitioned to the Licensee Response Column at the beginning of the third quarter of 2015, after a supplemental inspection for the White finding (final significance determination documented in NRC Inspection Report 05000335/2014010, dated November 19, 2014) was successfully completed on November 19, 2014. After reviewing St. Lucie Plant Unit 1 performance in addressing the White finding, the NRC concluded that your actions met the objectives of Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The results for this inspection are documented in NRC Supplemental Inspection Report 05000335/2014011. Therefore, in accordance with the guidance in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," this White finding was only considered in assessing plant performance for a total of four quarters. As a result, the NRC determined the performance at Saint Lucie Unit 1 to be in the Licensee Response Column of the ROP Action Matrix as of July 1, 2015.

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. 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 2016 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.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. The audit was completed for St. Lucie Nuclear Plant Unit 1 and Unit 2, and the information gathered will aid staff in development of the Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing TI 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

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 me at (404) 997-4539 with any questions you have regarding this letter.

Sincerely,

/RA/

Mark E. Franke, Acting Division Director
Division of Reactor Projects

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

Enclosure:
St Lucie Inspection/Activity Plan
(3/1/2016 – 12/31/2017)

cc: Distribution via Listserv

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. 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 2016 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.

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
ADAMS: Yes ACCESSION NUMBER: ML16062A256 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP	
SIGNATURE	DLM4	LFP1	LJB4	MEF1	
NAME	D. Mas	L. Pressley	L. Suggs	M. Franke	
DATE	2/12/2016	2/19/2016	2/19/2016	2/19/2016	
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2015\END OF CYCLE\INPUT\RPB3\ST. LUCIE\STL ANNUAL ASSESSMENT LETTER 2015.DOCX

M. Nazar

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Letter to Mano Nazar from Mark E. Franke dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SAINT LUCIE NUCLEAR PLANT
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000335/2015006 AND
05000389/2015006)

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Institute of Nuclear Power Operations (INPO)

Saint Lucie
Inspection / Activity Plan
03/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			CDBI - COMPONENT DESIGN BASES INSPECTION		8
1, 2	02/29/2016	03/04/2016	IP 7111121	Component Design Bases Inspection	
			EQ - ENVIRONMENTAL QUALIFICATION INSPECTION		3
1, 2	04/11/2016	04/15/2016	IP 7111121	Component Design Bases Inspection	
1, 2	04/25/2016	04/29/2016	IP 7111121	Component Design Bases Inspection	
			TFPI - TRIENNIAL FIRE PROTECTION INSPECTION		5
1, 2	06/20/2016	06/24/2016	IP 7111105T	Fire Protection [Triennial]	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		8
1, 2	05/09/2016	05/13/2016	IP 71152B	Problem Identification and Resolution	
1, 2	05/23/2016	05/27/2016	IP 71152B	Problem Identification and Resolution	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1, 2	07/11/2016	07/15/2016	IP 7111107T	Heat Sink Performance	
			RP - RAD HAZARDS ANALYSIS		1
1, 2	09/26/2016	09/30/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	10/03/2016	10/07/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI - UNIT 1 SG IN-SERVICE INSPECTION		1
1	10/10/2016	10/14/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			EP - EP PROGRAM INSPECTION		2
1, 2	01/23/2017	01/27/2017	IP 7111402	Alert and Notification System Testing	
1, 2	01/23/2017	01/27/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	01/23/2017	01/27/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	01/23/2017	01/27/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	01/23/2017	01/27/2017	IP 71151	Performance Indicator Verification	
			ISI - UNIT 2 IN-SERVICE INSPECTION & RVH EXAM		2
2	03/13/2017	03/17/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			LR - UNIT 2 POST APPROVAL LR PHASE 1		2
2	03/13/2017	03/17/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			RP - RP OCCUPATIONAL INSPECTION WEEK 1		3
1, 2	03/13/2017	03/17/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/13/2017	03/17/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/13/2017	03/17/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/13/2017	03/17/2017	IP 71124.04	Occupational Dose Assessment	

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
03/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			RP - RP OCCUPATIONAL INSPECTION WEEK 1		3
1, 2	03/13/2017	03/17/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/13/2017	03/17/2017	IP 71151	Performance Indicator Verification	
			SGISI - UNIT 2 SG IN-SERVICE INSPECTION		1
2	03/20/2017	03/24/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			RP - RP OCCUPATIONAL INSPECTION WEEK 2		2
1, 2	04/03/2017	04/07/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/03/2017	04/07/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/03/2017	04/07/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/03/2017	04/07/2017	IP 71124.04	Occupational Dose Assessment	
1, 2	04/03/2017	04/07/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/03/2017	04/07/2017	IP 71151	Performance Indicator Verification	
			MODS - PLANT MODIFICATIONS INSPECTION		3
1, 2	06/05/2017	06/09/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	06/19/2017	06/23/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	06/19/2017	06/23/2017	V23497	SAINT LUCIE/JULY 2017 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL LICENSE EXAM		3
1	07/17/2017	08/18/2017	V23497	SAINT LUCIE/JULY 2017 INITIAL EXAM AT POWER FACILITIES	
			LR - POST APPROVAL LR PHASE 2 (UNIT 2)		4
2	10/16/2017	10/20/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
2	10/30/2017	11/03/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			OL RQ - REQUAL INSPECTION		2
1, 2	11/13/2017	11/17/2017	IP 7111111B	Licensed Operator Requalification Program	

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