



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

March 1, 2017

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
Florida Power & Light Co.
Mail Stop: NT3/JW
15430 Endeavor Drive
Jupiter, FL 33478

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT,
UNIT 1 AND UNIT 2 (REPORT 05000335/2016006 AND 05000389/2016006)**

Dear Mr. Nazar:

On February 7, 2017, the Nuclear Regulatory Commission (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, 2016 through December 31, 2016. 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 the performance at St. Lucie Nuclear Plant Unit 1 and Unit 2 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance, (i.e., Green) and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

Although plant performance was within the Licensee Response Column, the NRC has not yet finalized the significance of FIN 05000335/2016012-01, "Failure to Maintain Component Configuration Control Resulted in a Complicated Reactor Trip." The final safety significance determination may affect the NRC's assessment of plant performance and the enclosed inspection plan.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. 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.

The NRC will perform the following Temporary Instructions (TI): (1) TI 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans," and (2) TI 2515/192, "Inspection of the Licensee's Interim Compensatory Measures Associated With the Open Phase Condition Design Vulnerabilities in Electric Power Systems."

The NRC plans on conducting the following non-routine Inspection Procedures (IP): (1) IP 71003, "Post-Approval Site Inspection for License Renewal," at Saint Lucie Unit 2 for Post Approval License Renewal Phase 1 and Phase 2, and (2) IP 92723, "Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period."

In accordance with Title 10 of the *Code of Federal Regulations* (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/

LaDonna B. Suggs, 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
(03/01/2017 – 12/31/2018)

cc: Distribution via ListServ

M. Nazar

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SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT,
UNIT 1 AND UNIT 2 (REPORT 05000335/2016006 AND 05000389/2016006)
March 1, 2017

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Saint Lucie
Inspection / Activity Plan
 03/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			TI-192 - OPEN PHASE CONDITION VULNERABILITIES		2
1, 2	01/01/2017	03/31/2017	IP 2515/192	Inspection of the Licensee's Interim Compensatory Measures Associated with the Open Phase Condition	
			ISI - UNIT 2 IN-SERVICE INSPECTION		1
2	02/27/2017	03/03/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			LR - UNIT 2 POST APPROVAL LR PHASE 1		1
2	02/27/2017	03/03/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			RP - RP OCCUPATIONAL INSPECTION WEEK 1		3
1, 2	02/27/2017	03/03/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/27/2017	03/03/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/27/2017	03/03/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/27/2017	03/03/2017	IP 71124.04	Occupational Dose Assessment	
1, 2	02/27/2017	03/03/2017	IP 71151	Performance Indicator Verification	
			SGISI - UNIT 2 SG IN-SERVICE INSPECTION		1
2	03/06/2017	03/10/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			RP - RP OCCUPATIONAL INSPECTION WEEK 2		2
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 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/03/2017	04/07/2017	IP 71151	Performance Indicator Verification	
			RPB3 - FOLLOW-UP FOR 3 OR MORE SL-IV TE VIO		1
1, 2	05/15/2017	05/19/2017	IP 92723	Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the S	
1, 2	05/15/2017	05/19/2017	IP 92723	Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the S	
			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	
			TI-191 - MITIGATING STRATEGIES		5
1, 2	07/17/2017	07/21/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			LR - POST APPROVAL LR PHASE 2 (UNIT 2)		5
2	08/28/2017	09/01/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
2	09/11/2017	09/15/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			OL RQ - REQUAL INSPECTION		2
1, 2	10/16/2017	10/20/2017	IP 7111111B	Licensed Operator Requalification Program	
			OL EXAM - INITIAL LICENSE EXAM PREP		4
1	11/06/2017	11/10/2017	V23497	SAINT LUCIE/JULY 2017 INITIAL EXAM AT POWER FACILITIES	

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
03/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL LICENSE EXAM		4
1	12/04/2017	12/22/2017	V23497	SAINT LUCIE/JULY 2017 INITIAL EXAM AT POWER FACILITIES	
			RP - RP PUBLIC INSPECTION		2
1, 2	01/22/2018	01/26/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	01/22/2018	01/26/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	01/22/2018	01/26/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	01/22/2018	01/26/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EP - EP EXERCISE		6
1, 2	02/19/2018	02/23/2018	IP 7111401	Exercise Evaluation	
1, 2	02/19/2018	02/23/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	02/19/2018	02/23/2018	IP 7111408	Exercise Evaluation – Scenario Review	
1, 2	02/19/2018	02/23/2018	IP 71151	Performance Indicator Verification	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	03/19/2018	03/23/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			RP - RAD HAZARDS AND TRANSPORTATION		2
1, 2	03/19/2018	03/23/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			SGISI - UNIT 1 SG IN-SERVICE INSPECTION		1
1	03/26/2018	03/30/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		4
1, 2	05/07/2018	05/11/2018	IP 71152B	Problem Identification and Resolution	
1, 2	05/21/2018	05/25/2018	IP 71152B	Problem Identification and Resolution	
			EQI - DESIGN BASES ASSURANCE INSPECTION (PROGR		3
1, 2	06/25/2018	06/29/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
1, 2	07/16/2018	07/20/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
1, 2	07/30/2018	08/04/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
			ISI - UNIT 2 IN-SERVICE INSPECTION		1
2	09/03/2018	09/07/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI - UNIT 2 SG IN-SERVICE INSPECTION		1
2	09/10/2018	09/14/2018	IP 7111108P	Inservice Inspection Activities - PWR	

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