



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

September 2, 2014

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

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR ST. LUCIE PLANT UNIT 1 AND UNIT 2 – NRC INSPECTION REPORT 05000335/2014006 AND 05000389/2014006

Dear Mr. Nazar:

On August 12, 2014, the NRC completed its mid-cycle performance review of St. Lucie 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 July 1, 2013, through June 30, 2014. 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 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.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. 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 end-of-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.

The NRC also plans on conducting two non-routine inspections. Temporary Instruction 2515/190, "Inspection of Licensee's Proposed Interim Actions as a Result of the Near-Term Task Force Recommendation 2.1 Flooding Evaluation," will be conducted by the resident inspectors as inspection opportunities become available. Also, Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," has been included in the attached inspection plan.

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," which 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," which 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. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity is scheduled for the week of November 17, 2014, for the St. Lucie Plant and will aid staff in development of an ultimate Safety Evaluation for the site. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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) 997-4748 with any questions you may have regarding this letter.

Sincerely,

/RA/

David Dumbacher, Acting 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
(09/01/2014 – 12/31/2015)

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(09/01/2014 – 12/31/2015)

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

OFFICE	RII:DRP	RII:DRP			
SIGNATURE	SAS /RA/	DED /RA/			
NAME	SSandal	DDumbacher			
DATE	8/27/2014	8/28/2014			
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\2014\MID-CYCLE\ADMIN WORKING FOLDER\LETTERS\ST. LUCIE MID-CYCLE LTR 2014.DOCX

Letter to Mano Nazar from David Dumbacher dated September 2, 2014.

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR ST. LUCIE PLANT UNIT 1 AND UNIT
2 – NRC INSPECTION REPORT 05000335/2014006 AND 05000389/2014006

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

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RidsNrrPMStLucie Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Saint Lucie
Inspection / Activity Plan
09/01/2014 - 12/31/2015

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
EP - EP PROGRAM INSPECTION				3
1, 2	01/26/2015 01/30/2015	IP 7111402	Alert and Notification System Testing	
1, 2	01/26/2015 01/30/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	01/26/2015 01/30/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	01/26/2015 01/30/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	01/26/2015 01/30/2015	IP 71151	Performance Indicator Verification	
OL EXAM - INITIAL LICENSE EXAM PREP				3
1	02/02/2015 02/06/2015	V23369	ST LUCIE/MARCH 2015 EXAM AT POWER FACILITIES	
MODS - PLANT MODIFICATIONS INSPECTION				6
1, 2	02/09/2015 02/13/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	03/02/2015 03/06/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
OL EXAM - INITIAL LICENSE EXAM				3
1	03/02/2015 03/13/2015	V23369	ST LUCIE/MARCH 2015 EXAM AT POWER FACILITIES	
ISI - UNIT 1 IN-SERVICE INSPECTION & RVH EXAM				2
1	03/30/2015 04/03/2015	IP 7111108P	Inservice Inspection Activities - PWR	
LR - UNIT 1 POST APPROVAL LR PHASE 1				2
1	03/30/2015 04/03/2015	IP 71003	Post-Approval Site Inspection for License Renewal	
RP - RP OCCUPATIONAL BASELINE WEEK 1				3
1, 2	03/30/2015 04/03/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/30/2015 04/03/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/30/2015 04/03/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/30/2015 04/03/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	03/30/2015 04/03/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/30/2015 04/03/2015	IP 71151	Performance Indicator Verification	
RP - RP OCCUPATIONAL BASELINE WEEK 2				2
1, 2	04/13/2015 04/17/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/13/2015 04/17/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/13/2015 04/17/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/13/2015 04/17/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	04/13/2015 04/17/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/13/2015 04/17/2015	IP 71151	Performance Indicator Verification	
ISI - UNIT 2 IN-SERVICE INSPECTION & RVH EXAM				1
2	09/14/2015 09/18/2015	IP 7111108P	Inservice Inspection Activities - PWR	

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
09/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
SGISI - UNIT 2 SG IN-SERVICE INSPECTION					1
2	09/21/2015	09/25/2015	IP 7111108P	Inservice Inspection Activities - PWR	
LR - POST APPROVAL LR PHASE 2					6
1, 2	11/02/2015	11/06/2015	IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	11/16/2015	11/20/2015	IP 71003	Post-Approval Site Inspection for License Renewal	
OL RQ - REQUAL INSP					2
1, 2	11/16/2015	11/20/2015	IP 7111111B	Licensed Operator Requalification Program	