



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

May 27, 2015

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

**SUBJECT: ST. LUCIE PLANT UNIT 1 - NOTIFICATION OF INSPECTION AND  
REQUEST FOR INFORMATION**

Dear Mr. Nazar:

From November 2 – 20, 2015, the U.S. Nuclear Regulatory Commission (NRC) will perform a Post-Approval Inspection for License Renewal at the St. Lucie Plant, Unit 1, in accordance with NRC inspection procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal." Previous inspections confirm that this inspection is resource-intensive for both the NRC inspectors and your staff. In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for information. The enclosed request identifies the documents that the inspectors will need upon arrival at the site, to successfully meet the inspection objectives. Requested documents should be current and complete to maximize efficiency during onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Mr. Paul Atkinson of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, Mr. Joel Rivera-Ortiz, at 404-997-4825.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter, its Enclosure, and your response (if any), will be available electronically for public inspection in the NRC's Public Document Room, or from the Publicly

Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

*/RA/*

Shakur A. Walker, Chief  
Engineering Branch 3  
Division of Reactor Safety

Docket No. 50-335  
License No. DPR-67

Enclosure:  
Request for Information  
Post-Approval Inspection for License Renewal

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OFFICE	RII:DRS/EB3	RII:DRS/EB3				
SIGNATURE	JER6	SAW4				
NAME	J. Rivera-Ortiz	S. Walker				
DATE	4/ 29 /2015	5/ 27 /2015				
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO				

Official Record Copy

**REQUEST FOR INFORMATION  
POST-APPROVAL INSPECTION FOR LICENSE RENEWAL**

Site: St. Lucie Plant, Unit 1

Inspection Dates: November 2 – 6, 2015 (onsite)  
November 9 – 13, 2015 (in-office review)  
November 16 – 20, 2015 (onsite)

Inspection Procedure: Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal" dated February 25, 2013  
Inspection Report No. 05000335/2015010

Inspectors: Alexander Butcavage, Reactor Inspector  
Robert Carrion, Sr. Reactor Inspector  
Brendan Collins, Reactor Inspector  
Paula Cooper, Reactor Inspector  
Joel Rivera-Ortiz, Sr. Reactor Inspector (Lead)

The following information should be made available to the inspection team in hard copy, or electronic format, upon arrival to the site. Due to the differences in license conditions and regulatory commitments among operating reactor sites associated with the license renewal process, the information requested below may not be entirely applicable to St. Lucie Plant. If you have any questions regarding this information request, please contact the lead inspector as soon as possible.

**A. General Information Request**

Please provide copies of the following documents, as applicable.

- (1) Sections of the Quality Assurance Program Manual that are applicable to license renewal activities.
- (2) Corrective Action Program (CAP) procedure.
- (3) Regulatory Commitment Change Process procedure.
- (4) Operating Experience (OE) Program procedure.
- (5) Latest version of the Final Safety Analysis Report (FSAR) supplement for license renewal submitted with the license renewal application (LRA).
- (6) Last version of the FSAR supplement for license renewal submitted to the NRC per 10 CFR 50.71.
- (7) Living version of the FSAR supplement for license renewal.
- (8) Evaluations or assessments performed to verify that in-scope structures, systems, or components (SSCs) were not excluded from the LRA, and appropriate aging management has been considered in accordance with 10 CFR 54.37(b).

Enclosure

- (9) List of plant modifications, with a brief description of the modification scope, that were approved and/or implemented from the date the LRA was submitted, to the date the renewed license was issued.
- (10) Self-assessments performed after the renewed license was issued associated with the implementation of license renewal commitments, including Aging Management Programs (AMPs) and Time Limited Aging Analyses (TLAAs).
- (11) "Gap Analyses" performed to assess the differences between the current AMPs and the recommendations in the latest revision of NUREG-1801, "Generic Aging Lessons Learned (GALL)," and subsequent Interim Staff Guidance.
- (12) Site-specific responses, and/or evaluations, for NRC Generic Communications associated with license renewal that were issued after the renewed license was granted.
- (13) Description of the overall completion status of action items associated with license renewal commitments, including AMPs and TLAAs.
- (14) Description of administrative controls that will be used to ensure that all activities due prior to (and during) the Period of Extended Operation (PEO), will be satisfactorily completed as described in the license renewal documents.
- (15) Description of plans or processes that will be used during the PEO to continuously incorporate OE into license renewal activities.

**B. Specific Requests for each License Renewal Commitment Selected for Review, including AMPs and TLAAs**

The inspection team will select a sample of regulatory commitments, AMPs, and TLAAs for review. Prior to the inspection start date; the lead inspector will notify the site's licensing staff about the selected samples. For each selected commitment and AMP/TLAA, please provide the following, as applicable.

- (1) Program basis documents and administrative procedures describing key program attributes such as program objectives, scope, detection and monitoring methods, administrative controls, acceptance criteria, corrective actions, and scope expansion requirements.
- (2) Implementing procedures for program activities (e.g., procedures for visual examination, ultrasonic examination, heat exchanger performance monitoring, system walkdowns).
- (3) Updated license renewal scoping drawings showing the SSCs within the scope of the AMP.
- (4) Applicable sections of the LRA.
- (5) Applicable Requests for Additional Information issued by NRC technical reviewers during the review of the LRA and corresponding responses.
- (6) Applicable sections of the NRC Safety Evaluation Report (SER).

- (7) Ready access to key industry standards that will be followed for the implementation of the program (e.g., American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Electric Power Research Institute Guidelines, Nuclear Energy Institute Guidelines).
- (8) Description of changes made to the license renewal commitment, including the associated technical and regulatory evaluations supporting the change.
- (9) Description of activities completed to meet license conditions, license renewal commitments, and the UFSAR. For example, this should include completed Work Orders (WOs) with associated inspection reports describing the work done and the results of the inspection.
- (10) Description of instances where examination scope expansion was required based on the initial examination of a SSC for license renewal. Please describe the logic to select the scope expansion, and any resulting changes to the AMP.
- (11) Description of instances where examination scope changes were required based on limitations encountered during the initial examination of a SSC for license renewal. Please describe the actions taken, and any resulting changes to the AMP.
- (12) Description of pending activities due prior to the PEO, which are necessary to meet license conditions, license renewal commitments, and the activities described in the UFSAR. For example, this may include a list of pending WOs with a brief description of the work to be performed.
- (13) Copy of any correspondence between the licensee and the NRC, after the license was issued, associated with regulatory issues affecting the license renewal commitment. For example, this may include notifications of commitment changes, or license amendment requests, affecting a license condition or a license renewal commitment.
- (14) List of CAP documents (e.g., Condition Reports) associated with the implementation of the AMP. This includes unacceptable aging effects identified during the implementation of license renewal activities, and programmatic deficiencies requiring resolution.
- (15) Copy of evaluations performed for applicable external and internal OE issues associated with license renewal. This request is limited to OE items issued after the renewed operating license was granted.

Inspector Contact Information:

Joel Rivera-Ortiz  
Sr. Reactor Inspector  
404-997-4825  
[Joel.Rivera-Ortiz@nrc.gov](mailto:Joel.Rivera-Ortiz@nrc.gov)

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