



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

June 14, 2018

Mr. Mano Nazar  
President, Nuclear Division  
and Chief Nuclear Officer  
Florida Power & Light Company  
Mail Stop EX/JB  
700 Universe Blvd.  
Juno Beach, FL 33408

**SUBJECT: ST. LUCIE PLANT, UNIT NOS. 1 AND 2 – SUMMARY OF NRC AUDIT  
REGARDING LICENSE AMENDMENT REQUEST TO ADOPT RISK-  
INFORMED COMPLETION TIMES IN TECHNICAL SPECIFICATIONS  
(CAC NOS. MF5372 AND MF5373; EPID L-2014-LLA-0001)**

Dear Mr. Nazar:

By application dated December 5, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14353A016), Florida Power & Light Company submitted a License Amendment Request (LAR) to revise the St. Lucie Plant, Unit Nos. 1 and 2 (St. Lucie) Technical Specifications to adopt risk-informed completion times in accordance with the Technical Specifications Task Force (TSTF) Traveler-505, Revision 1, "Provide Risk-Informed Extended Completion Times – RITSTF [Risk Informed TSTF] Initiative 4b" (ADAMS Accession No. ML111650552).

On February 22 and 23, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff and its contractors from the Pacific Northwest National Laboratory participated in a regulatory audit of St. Lucie at the NextEra Energy Offices in Juno Beach, Florida. The purpose of the audit was to understand what information the NRC staff needed to support its review of the LAR and to develop requests for additional information, as needed.

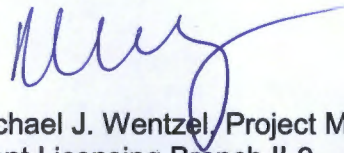
Enclosure 1 provides the schedule of activities during the audit. Enclosure 2 provides the list of audit participants. Enclosure 3 contains a list of documents reviewed by the team.

M. Nazar.

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If you have any questions, please contact me at (301) 415-6459 or [Michael.Wentzel@nrc.gov](mailto:Michael.Wentzel@nrc.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Wentzel", with a long horizontal flourish extending to the right.

Michael J. Wentzel, Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

Enclosures:

1. Audit Schedule
2. Audit Participants
3. Audit Documents

cc: Listserv

## Schedule of Activities

### Monday, February 22, 2016

**8:30 AM** Introductions

Presentation on Risk-Informed Completion Time (RICT) Program Overview

- Discussion of license amendment request and RICT Program
- Discussion on how external events are considered for the RICT
- Discussion on how risk management actions are determined and implemented

**11:30 AM** Lunch

**12:30 PM** Presentation on Probabilistic Risk Assessment (PRA) functional definition, development, and use (PRA Request for Additional Information (RAI) 9)

Discussion of other RAIs – PRA, Instrumentation and Control, and Technical Specifications

**4:00 PM** End of the Day Briefings

### Tuesday, February 23, 2016

**8:30 AM** Presentation on Configuration Risk Management Program (CRMP) demonstration (including presentation of user interface for evaluations)

- Discussion of reviews and acceptance testing of the CRMP model
- Discussion on how the CRMP is maintained consistent with baseline PRA model

Discussion of other RAIs – PRA, Instrumentation and Control, and Technical Specifications

**11:30 AM** Lunch

**12:30 PM** Presentation on Walkthrough sample RICT calculations

- Discussion of reviews and acceptance testing of the CRMP model
- Discussion on how cumulative risk will be evaluated and tracked

**4:00 PM** End of the Day Briefings

## **List of Participants**

### **U.S. Nuclear Regulatory Commission Team**

- Stacey Rosenberg, Branch Chief
- Leslie Fields, Audit Team Leader
- Perry Buckberg, Licensing Project Manager
- Jonathan Evans, Technical Reviewer
- Stephen Dinsmore, Technical Reviewer
- Norbert Carte, Technical Reviewer\*
- Margaret Chernoff, Technical Reviewer\*
- Audrey Klett, Licensing Project Manager\*

\*Phone participant

### **Pacific Northwest National Laboratory Team**

- Garill Coles, Risk Analyst
- Steve Short, Risk Analyst

### **Florida Power & Light Company/NextEra Energy Company**

- Mahmoud Heiba
- Anil Julka
- Loren Heistard
- Jake Porterfield
- Richard Turcotte
- Gary Kilby
- Mark Averett
- Larry Nicholson
- William Cross

### **Florida Power & Light Company/NextEra Energy Company Contractor**

- Andrew Howe, JBC Nuclear, Inc., Consultant

## **List of Documents Reviewed**

1. Hurricane Procedure
2. Configuration Management
3. Risk-Informed Completion Time (RICT) Calculations
4. Configuration Risk Management Program Procedure
5. Protected Train Procedure
6. NextEra Energy Audit Kick-Off Presentation (Presentation)
7. St. Lucie Risk-Managed Technical Specifications Overview (Presentation)
8. Overview of NextEra Energy License Amendment Request (Presentation)
9. Electric Power Research Institute Phoenix Risk Monitor Implementation Overview (Presentation)
10. St. Lucie Sample RICT Calculations (Presentation)

M. Nazar.

SUBJECT: ST. LUCIE PLANT, UNIT NOS. 1 AND 2 – SUMMARY OF NRC AUDIT REGARDING LICENSE AMENDMENT REQUEST TO ADOPT RISK-INFORMED COMPLETION TIMES IN TECHNICAL SPECIFICATIONS (CAC NOS. MF5372 AND MF5373; EPID L-2014-LLA-0001)

DATED JUNE 14, 2018

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**ADAMS Accession No.:**

\* by memorandum

OFFICE	DORL/LPL2-2/PM	DORL/LPL2-2/LA	NRR/DRA/APLA/BC*	DORL/LPL2-2/BC(A)	DORL/LPL2 2/PM
NAME	MWentzel <i>MW</i>	BClayton <i>BC</i>	SRosenberg	BVenkataraman <i>BV</i>	MWentzel <i>MW</i>
DATE	6 / 11 / 18	6 / 11 / 18	05/25/16	6 / 13 / 18 <i>AD</i>	6 / 14 / 18

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