



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

February 28, 2018

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT,
UNIT 1 AND UNIT 2 – REPORT 05000335/2017006 AND 05000389/2017006,
REPORT 05000335/2017402 AND 05000389/2017402, REPORT
05000335/2017501 AND 05000389/2017501

Dear Mr. Nazar:

The Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance assessment of St. Lucie Nuclear Plant Unit 1 and Unit 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017, through December 31, 2017. 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 concluded that overall performance at your facility preserved public health and safety.

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. During this assessment year, Unit 1 was in the Regulatory Response Column (Column 2), due to a White finding input. As stated in NRC Supplemental Inspection Report 05000335/2017012 and Assessment Followup Letter (Agency Document Access and Management System (ADAMS) Accession No. ML17263A055), Unit 1 returned to the Licensee Response Column (Column 1) on October 1, 2017, after completion of the supplemental inspection.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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 12 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.

The NRC will perform Temporary Instruction (TI) 2515/194, "Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems (NRC Bulletin 2012-01)."

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 Mr. Randall A. Musser at 404-997-4603 with any questions you have regarding this letter.

Sincerely,

/RA/

Joel T. Munday, Director
Division of Reactor Projects

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

Enclosure:
St Lucie Inspection/Activity Plan
(03/01/2018 – 12/31/2019)

cc Distribution via ListServ

M. Nazar

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ADAMS Accession No. ML18059A240

OFFICE	RII:DRP	RII:DRP	RII:DRP			
NAME	LPressley	RMusser	JMunday			
DATE	2/21/2018	2/22/2018	2/27/2018			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Saint Lucie

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
MC&A INSPECTION						2
1, 2	03/01/2018	04/30/2018	IP 71130.11	000742	Material Control and Accounting (MC&A)	
UNIT 1 IN-SERVICE INSPECTION						1
1	03/19/2018	03/23/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
RAD HAZARDS AND TRANSPORTATION						2
1, 2	03/19/2018	03/23/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
PROBLEM IDENTIFICATION AND RESOLUTION						4
1, 2	05/07/2018	05/11/2018	IP 71152B	000747	Problem Identification and Resolution	
1, 2	05/21/2018	05/25/2018	IP 71152B	000747	Problem Identification and Resolution	
TI-194 OPEN PHASE CONDITION						4
1	06/11/2018	06/15/2018	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
UNIT 2 IN-SERVICE INSPECTION						1
2	09/03/2018	09/07/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
UNIT 2 SG IN-SERVICE INSPECTION						1
2	09/03/2018	09/07/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
FPL CORP AA/FFD/SGI SECURITY INSPECTION						2
1, 2	10/22/2018	10/26/2018	IP 71130.01	000733	Access Authorization	
1, 2	10/22/2018	10/26/2018	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	10/22/2018	10/26/2018	IP 71130.08	000740	Fitness For Duty Program	
SECURITY BASELINE INSPECTION						2
1, 2	11/05/2018	11/09/2018	IP 71130.01	000733	Access Authorization	
1, 2	11/05/2018	11/09/2018	IP 71130.07	000739	Security Training	
1, 2	11/05/2018	11/09/2018	IP 71130.08	000740	Fitness For Duty Program	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

DESIGN BASES ASSURANCE INSPECTION (TEAM)						6
1, 2	01/14/2019	01/18/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	02/11/2019	02/15/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	03/04/2019	03/08/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
EP PROGRAM INSPECTION						3
1, 2	01/14/2019	01/18/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	01/14/2019	01/18/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	01/14/2019	01/18/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	01/14/2019	01/18/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	01/14/2019	01/18/2019	IP 71151	001397	Performance Indicator Verification	
ST LUCIE INITIAL LICENSE EXAM						4
1, 2	02/11/2019	02/15/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	03/18/2019	03/29/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
SECURITY BASELINE INSPECTION						3
1, 2	05/13/2019	05/17/2019	IP 71130.02	000734	Access Control	
1, 2	05/13/2019	05/17/2019	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	05/13/2019	05/17/2019	IP 71151	001338	Performance Indicator Verification	
ST. LUCIE NFPA 805						3
1, 2	06/24/2019	06/28/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2	07/08/2019	07/12/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
CYBER SECURITY						1
1, 2	07/15/2019	07/19/2019	IP 71130.10P	000741	Cyber Security	
1, 2	07/29/2019	08/02/2019	IP 71130.10P	000741	Cyber Security	
TRIENNIAL HEAT SINK PERFORMANCE						1
1, 2	07/22/2019	07/26/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
UNIT 1 IN-SERVICE INSPECTION						1
1	09/09/2019	09/13/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
RP OCCUPATIONAL WEEK 1						3
1, 2	09/09/2019	09/13/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/09/2019	09/13/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	09/09/2019	09/13/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/09/2019	09/13/2019	IP 71124.04	000729	Occupational Dose Assessment	
1, 2	09/09/2019	09/13/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	09/09/2019	09/13/2019	IP 71151	000746	Performance Indicator Verification	

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IP 22 Inspection Activity Plan Report

RP OCCUPATIONAL WEEK 2

2

1, 2	09/23/2019	09/27/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
1, 2	09/23/2019	09/27/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls
1, 2	09/23/2019	09/27/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation
1, 2	09/23/2019	09/27/2019	IP 71124.04	000729	Occupational Dose Assessment
1, 2	09/23/2019	09/27/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation
1, 2	09/23/2019	09/27/2019	IP 71151	000746	Performance Indicator Verification

ST LUCIE REQUAL INSPECTION

2

1, 2	10/21/2019	10/25/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial
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