



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

June 29, 2023

Bob Coffey  
Executive Vice President, Nuclear and Chief Nuclear Officer  
Florida Power & Light Company  
700 Universe Blvd.  
Mail Stop: EX/JB  
Juno Beach, FL 33408

SUBJECT: ST. LUCIE NUCLEAR PLANT - SECURITY BASELINE INSPECTION REPORT  
05000335/2023403 AND 05000389/2023403

Dear Bob Coffey:

On May 25, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at St. Lucie Nuclear Plant and discussed the results of this inspection with Mr. Orlando Hernandez and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in blue ink that reads "Daniel M. Bacon".

Signed by Bacon, Daniel  
on 06/29/23

Daniel M. Bacon, Chief  
Engineering Branch 2  
Division of Reactor Safety

Docket Nos. 05000335 and 05000389  
License Nos. DPR-67 and NPF-16

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: ST. LUCIE NUCLEAR PLANT – SECURITY BASELINE INSPECTION REPORT  
05000335/2023403 AND 05000389/2023403 Dated June 29, 2023

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NAME	L. Jones	D. Bacon			
DATE	06/29/23	06/29/23			

**U.S. NUCLEAR REGULATORY COMMISSION  
Inspection Report**

Docket Numbers: 05000335 and 05000389

License Numbers: DPR-67 and NPF-16

Report Numbers: 05000335/2023403 and 05000389/2023403

Enterprise Identifier: I-2023-403-0017

Licensee: Florida Power & Light Company

Facility: St. Lucie Nuclear Plant

Location: Jensen Beach, FL

Inspection Dates: May 23, 2023 to May 25, 2023

Inspectors: L. Jones, Senior Reactor Inspector

Approved By: Daniel M. Bacon, Chief  
Engineering Branch 2  
Division of Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at St. Lucie Nuclear Plant, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

### **List of Findings and Violations**

No findings or violations of more than minor significance were identified.

### **Additional Tracking Items**

None.

## INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

## SAFEGUARDS

### 71130.14 - Review of Power Reactor Target Sets

The inspectors evaluated the Security Target Set Program. The following elements were evaluated:

#### Review of Power Reactor Target Sets (1 Sample)

- (1) Section 02.01 Review of Events and Logs  
The inspector reviewed any licensee event reports, safeguards log entries, and corrective action program entries since the last Target Set inspection that concern the target set identification, development, and maintenance program.

Section 02.02 Target Set Identification and Development Process Review  
The inspector assessed the licensee's documentation and maintenance of the process used to develop and identify complete and accurate target sets as required by 10 CFR Part 73 by reviewing applicable portions of procedures and samples of records and conducting interviews with responsible personnel and plant employees.

Section 02.03 Verification of Target Sets Changes  
The inspector reviewed changes to the licensee's documented target sets since the last Target Set inspection. The inspector verified that any design modifications and procedure or configuration changes that have occurred were appropriately documented in the site's target sets.

Section 02.04 Verification of Complete and Accurate Target Sets  
The inspector interviewed licensee personnel and reviewed a sample of target sets for reactor operation and for modes other than operation. The inspector reviewed assumptions used in the licensee's development of its target sets.

Section 02.05 Physical Protection Program Review  
The inspector verified that the licensee performed a review of target sets for accuracy, completeness, and applicability at least every 24 months and as otherwise required, documented the results and recommendations, and entered findings in the site's corrective action program (CAP).

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

The inspectors verified no proprietary information was retained or documented in this report.

- On May 25, 2023, the inspectors presented the security baseline inspection results to Mr. Orlando Hernandez and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents	AR 02341809		
		AR 02382012		
		AR 02403484		
		AR 02443397		
	Corrective Action Documents Resulting from Inspection	AR 02456831		
		AR 02458608		
		AR 02458626		
		AR 02458627		
		AR 02458629		
		AR 02458632		
		AR 02458663		
		AR 02458665		
	Procedures	0-AOP-72.01	Response to Security Events	Revision 19
		1-NOP-25.07	Control Room Ventilation System	Revision 23
		1-OSP-69.13A	ESF-Staggered 36 Month Surveillance for SIAS/CIS/CSAS - Train A	Revision 48