



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

November 5, 2019

Ms. Cheryl A. Gayheart
Regulatory Affairs Director
Southern Nuclear Operating Co., Inc.
3535 Colonnade Parkway
Birmingham, AL 35243

**SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT UNITS 1 & 2 – U.S. NRC TARGET
SET INSPECTION REPORT 05000348/2019401 AND 05000364/2019401**

Dear Ms. Gayheart:

On October 3, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed a security inspection at your Joseph M. Farley Nuclear Plant, Units 1 and 2, and discussed the results of this inspection with Mr. Delson Erb, and other members of the plant staff. The results of this inspection are documented in the enclosed report.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspector reviewed selected procedures and records, observed activities, and interviewed site personnel.

The NRC inspector did not identify any finding or violation of more than minor significance.

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 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Scott M. Shaeffer, Chief
Engineering Branch 2
Division of Reactor Safety

C. Gayheart

2

Docket Nos. 05000348 and 05000364
License Nos. NPF-2 and NPF-8

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT UNITS 1 & 2 – U.S. NRC TARGET SET INSPECTION REPORT 05000348/2019401 AND 05000364/2019401 dated on November 5, 2019

DISTRIBUTION

W. Monk
S. Shaeffer
A. Blamey

*See previous page for concurrence

PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
ADAMS: Yes ACCESSION NUMBER **ML19310F605** SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS	RII:DRP		
NAME	W. Monk	S. Shaeffer	A. Blamey		
DATE	10/28/2019	11/5/2019	11/5/2019		
E-MAIL COPY?	YES NO	YES NO	YES NO		

OFFICIAL RECORD

U.S. NUCLEAR REGULATORY COMMISSION

Inspection Report

Docket Numbers: 05000348 and 05000364

License Numbers: NPF-2 and NPF-8

Report Numbers: 05000348/2019401 and 05000364/2019401

Enterprise Identifier: I-2019-401-0041

Licensee: Southern Nuclear Operating Co., Inc.

Facility: Joseph M. Farley Nuclear Plant, Units 1 & 2

Location: Columbia, AL

Inspection Dates: October 01, 2019 to October 03, 2019

Inspectors: W. Monk, Senior Reactor Inspector

Approved By: Scott M. Shaeffer, Chief
Engineering Branch 2
Division of Reactor Safety

(U) SUMMARY

(U) The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a review of power reactor target set security baseline inspection at Joseph M. Farley Nuclear Plant Units 1 & 2 in accordance with the Reactor Oversight Process (ROP). 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.

(U) List of Findings and Violations

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

(U) Additional Tracking Items

(U) None.

(U) INSPECTION SCOPES

(U) 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) 2515, "Light-Water Reactor Inspection Program - Operations Phase" and IMC 2201, "Security Inspection Program for Commercial Nuclear Power Reactors". The inspector 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 industry standards.

(U) OTHER ACTIVITIES – BASELINE

(U) 71130.14 - Review of Power Reactor Target Sets (1 Sample)

The inspector evaluated the licensee's Security Target Set Program. The following elements were evaluated:

(1) Power Reactor Target Sets (1 Sample)

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).

(U) INSPECTION RESULTS

(U) No findings or more than minor violations were identified.

(U) EXIT MEETINGS AND DEBRIEFS

(U) On October 3, 2019, the inspector presented the Target Set Inspection results to Mr. Delson Erb, Plant Manager and other members of the licensee's staff.

(U) The inspectors verified no proprietary information nor safeguards information was retained or documented in this report.

(U) THIRD PARTY REVIEWS

(U) The NRC inspector did not review any third-party reports nor documents during the inspection period.

(U) DOCUMENTS REVIEWED

(U) Inspection Procedure	(U) Type	(U) Designation	(U) Description or Title	(U) Revision or Date
71130.14	Corrective Action Documents	CR 10301316	Target Set Analysis (TSAT) Identified Calculation Revision	11/22/2016
		CR 10312815	Security: Tracking CR for Completion of the 2016 Annual TSAT Review	12/30/2016
		CR 10562997	Security Tracking - Completion of TSAT Review	12/13/2018
		CR 10602395	HATCH - 2019 NRC Target Set Inspection NMP-SE-015 Revision Needed	4/23/2019
		TE 1046470	NCORP - NMP-SE-015 Revision Needed	6/25/2019
	Corrective Action Documents Resulting from Inspection	CR 10651975	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10651978	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10651980	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10651982	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10651988	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10651997	Security - NRC Target Set Baseline Inspection - NRC Comment	10/03/2019
		CR 10652088	Security - NRC Target Set Baseline Inspection - Minor Violation	10/03/2019
	Drawings	OPS-62202D	Figure 10 - Service Water to Diesel Building Drawing	Rev. 3
		OPS-62202D	Unit 1 Hot Shutdown Panels A, B, C, D, E, and G	Rev. 2
		OPS-62202D	Unit 1 Turbine Driven Aux. Feedwater Pump and Flow Control Panel "F"	Rev. 2
	Miscellaneous	NMP-SE-015, Attachment 1	TSAT Charter	8/17/2018
		TSAT Membership	Target Set Analysis Team 2018 Biannual Review	Rev. 1
	Procedures	FNP-0-AOP-49.0	ABNORMAL OPERATING PROCEDURE - SECURITY THREAT	Rev. 25
		FNP-0-SP-27.0	Control Room Emergency Security Procedure	Rev. 8

(U) Inspection Procedure	(U) Type	(U) Designation	(U) Description or Title	(U) Revision or Date
		FNP-1-SOP-62.0	Emergency Air System	Rev. 27
		NMP-SE-012	Safety / Security Interface	Rev. 4
		NMP-SE-015	Target Set Identification, Development, and Maintenance	Rev. 6