



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

May 14, 2019

Mr. Tom Vehec
Senior Vice President
Southern Nuclear Operating Co., Inc.
Edwin I. Hatch Nuclear Plant
11028 Hatch Parkway North
Baxley, GA 31513

**SUBJECT: HATCH NUCLEAR PLANT, UNITS 1 AND 2 – U.S. NRC TARGET SET
SECURITY INSPECTION REPORT NO. 05000321/2019402 AND
05000366/2019402**

Dear Mr. Vehec:

On April 18, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed a security inspection at your Hatch Nuclear Plant, Units 1 and 2 and the NRC inspectors discussed the results of this inspection with you and other members of your 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 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."

T. Vehec

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The NRC is waiving the affidavit requirements for your response in accordance with 10 CFR 2.390(b)(1)(ii).

Sincerely,

/RA/

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

Docket Nos.: 05000321 and 05000366
License Nos.: DPR-57 and NPF-5

Enclosure:
Inspection Report 05000321/2019402
and 05000366/2019402

cc: Distribution via Listserv

SUBJECT: HATCH NUCLEAR PLANT, UNITS 1 AND 2 – U.S. NRC TARGET SET SECURITY INSPECTION REPORT NO. 05000321/2019402 AND 05000366/2019402 dated May 14, 2019

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*See previous page for concurrence

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 ADAMS: Yes
 ACCESSION NUMBER ML19134A386__ SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII/DRS/EB2	RII/DRS/EB2				
SIGNATURE	WRM1	SMS				
NAME	W. Monk	S. Shaeffer				
DATE	5/ 9/2019	5/ 14/ 2019				
E-MAIL COPY?	YES NO	YES NO				

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U.S. NUCLEAR REGULATORY COMMISSION

Inspection Report

Docket Number(s): 05000321 and 05000366

License Number(s): DPR-57 and NPF-5

Report Number(s): 05000321/2019402 and 05000366/2019402

Enterprise Identifier: I-2019-402-0019

Licensee: Southern Nuclear Operating Co., Inc.

Facility: Hatch Nuclear Plant, Units 1 and 2

Location: Baxley, GA 31513

Inspection Dates: April 16, 2019 to April 18, 2019

Inspectors: W. Monk, Senior Reactor Inspector

Approved By: Scott M. Shaeffer, 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 Review of Power Reactor Target Set inspection at Hatch Nuclear Plant Units 1 and 2 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.

Findings and violations being considered in the NRC's assessment are summarized below.

List of Findings and Violations

No findings or more than minor violations were identified.

PLANT STATUS

Unit 1 and 2 began the inspection period at rated thermal power and both units remained at or near rated thermal power for the remainder of the inspection period.

INSPECTION SCOPE

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.

SAFEGUARDS

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:

Power Reactor Target Sets (1 Sample)

Review of Events and Logs (Section 02.01)

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.

Target Set Identification and Development Process Review (Section 02.02)

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.

Verification of Target Sets Changes (Section 02.03)

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

Verification of Complete and Accurate Target Sets (Section 02.04)

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.

Physical Protection Program Review (Section 02.05)

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 or more than minor violations were identified.

EXIT MEETINGS AND DEBRIEFS

On April 18, 2019, the inspector presented the target set security inspection results to Mr. Tom Vehec, Site Vice President and other members of the licensee's staff.

The inspector verified no proprietary information nor safeguards information was retained or documented in this report.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents	CR 10277134	NRC Target Set Inspection 2016	09/22/2016
		CR 10298740	Failure to Adequately Identify and Develop Target Sets	11/15/2016
		CR 10562623	Engineering Issues with Target Set Evaluation	12/12/2018
		CR 10565117	Completion of Hatch TSAT Review	12/20/2018
		CR 10574476	Target Set CISA Deficiency	01/24/2019
		CR 10574494	Target Set CISA Deficiency	01/24/2019
	Corrective Action Documents Resulting from Inspection	CR 10602395	2019 NRC Target Set Inspection	4/18/2019
		CR 10602397	2019 NRC Target Set Inspection	4/18/2019
		CR 10602495	DCP Evaluation IAW NMP-SE-015	4/18/2019
		CR 10602502	Dosimetry Issue Paperwork	4/18/2019
	Drawings	01-10-00	HATCH 500 / 230KV Transmission System	3/19/2019
	Miscellaneous		Hatch Nuclear Plant Target Sets	12/20/2018
	Procedures	NMP-SE-012	Safety/Security Interface	Rev. 4
		NMP-SE-015	Target Set Identification, Development, and Maintenance	Rev. 6