



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

May 4, 2022

Mr. Steven Snider
Site Vice President
Duke Energy Carolinas, LLC
Oconee Nuclear Station
7800 Rochester Highway
Seneca, SC 29672-0752

SUBJECT: OCONEE NUCLEAR STATION – SECURITY BASELINE TARGET SET
INSPECTION REPORT 05000269/2022403 AND 05000270/2022403 AND
05000287/2022403

Dear Mr. Snider:

On April 6, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed a security target set inspection at your Oconee Nuclear Station, Units 1, 2, and 3, and 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 specific site license. The inspector reviewed selected procedures and records, observed activities, and interviewed site security and operations personnel.

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, which appears to read "Gerald J. McCoy", is written over a horizontal line.

Signed by McCoy, Gerald
on 05/04/22

Gerald J. McCoy, Branch Chief
Engineering Branch 2
Division of Reactor Safety

Docket Nos. 05000269, 05000270, and 05000287
License Nos. DPR-38, DPR-47, and DPR-55

Enclosure: As stated
cc w/ encl: Distribution via LISTSERV

SUBJECT: OCONEE NUCLEAR STATION – SECURITY TARGET SET BASELINE
INSPECTION REPORT 05000269/2022403 AND 05000270/2022403 AND
05000287/2022403 DATED MAY 4, 2022

DISTRIBUTION:

S. Price, RII
M. Kowal, RII/EICS
N. Doiley, RII/EICS
E. Stamm, RII/DRP
RidsNrrPMStLucie
RidsNrrDRO
PUBLIC

ADAMS ACCESSION NUMBER: ML22119A083

* = concurred by email

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII/DRS	RII/DRS			
NAME	W. Monk*	G. McCoy			
DATE	04/26/2022	05/04/2022			

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000269, 05000270, and 05000287

License Numbers: DPR-38, DPR-47, and DPR-55

Report Numbers: 05000269/2022403, 05000270/2022403, and 05000287/2022403

Enterprise Identifier: I-2022-403-0014

Licensee: Duke Energy Carolinas, LLC

Facility: Oconee Nuclear Station

Location: Seneca, SC

Inspection Dates: April 04–April 06, 2022

Inspector(s): William R. Monk, Senior Reactor Inspector

Approved By: Gerald J. McCoy, Branch 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 target set inspection at Oconee Nuclear Station, Units, 1, 2, and 3, 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.

List of Findings and Violations

No findings nor violations of more-than-minor (MTM) significance were identified during this inspection.

Additional Tracking Items

None.

INSPECTION SCOPES

Baseline security target set 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 and publicly available 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 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 – SECURITY BASELINE

71130.14 - Review of Power Reactor Target Sets

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

Review of Power Reactor Target Sets (1 Sample)

- (1) [List Inspection Requirements: 02.01, 02.02 (a-d, f), 02.03, 02.04 (a-b), 02.05]

Review of Events and Logs (Section 02.01)

The inspector reviewed any licensee event reports (LERs), safeguards log entries, and corrective action program (CAP) 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. The inspector ensured all the Target Sets addressed the high-level adversary objectives in the target set analysis.

Verification of Target Sets Changes (Section 02.03)

The inspector reviewed any 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, in order to verify the sets were complete and accurate.

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. Additionally, the inspector reviewed assumptions used in the licensee's development of the site's Target Sets to include all modes of reactor operations and any configuration or modification changes.

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 were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information nor safeguards/security-related information was retained nor documented in this report.

On April 6, 2022, the inspector presented the security baseline Target Set inspection results to Steven Snider, Site Vice President, and to other members of the licensee staff during the inspection Exit Meeting.

THIRD PARTY REVIEWS

The inspector did not review any third-party reports, documents, nor references during the inspection period.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents	PRR 2289202	AD-SY-ALL-0130, REV 3	08/28/2019
		PRR 2313206	AD-SY-ALL-0130	01/29/2020
		PRR 2379073	AD-SY-ALL-0130	04/20/2021
		PRR 2379331	AD-SY-ALL-0130	04/21/2021
		PRR 2379333	AD-SY-ALL-0120, REV 2	04/21/2021
	Corrective Action Documents Resulting from Inspection	DRR 02424249	Updates to CSD-SY-ONS-0130-02	04/19/2022
		PRR 02424256	Updates to AD-SY-ALL-0120	04/19/2022
	Miscellaneous	CSD-SY-ONS-0130-02	ONS Target Set Worksheets	09/13/2021
	Procedures	AD-SY-ALL-0120	SAFETY/SECURITY INTERFACE PROCESSES	Rev. 2
		AD-SY-ALL-0130	DEVELOPMENT AND MAINTENANCE OF TARGET SETS	Rev. 3
		AP/0/A/1700/045	Site Security Threats	Rev. 19
	Work Orders	NTM 02262115	Target Set Expert Panel (TSEP) Annual Meeting	03/11/2019
		NTM 02357247	Target Set Expert Panel (TSEP) Annual Meeting	11/10/2020
		NTM 02397444	2021 TSEP Meeting	09/13/2021