



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 18, 2023

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

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3 – SECURITY BASELINE
INSPECTION REPORT 05000269/2023420 AND 05000270/2023420 AND
05000287/2023420

Dear Steven Snider:

On April 3, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at 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.

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,

 Signed by Clark, Jefferson
on 05/18/23

Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations
Office of Nuclear Security and Incident Response

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

Enclosure:
As stated

cc w/ encl: Rodney Robinson, Director Nuclear Plant Security
Rodney.Robinson@duke-energy.com

S. Snyder

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3 – SECURITY BASELINE INSPECTION REPORT 05000269/2023420 AND 05000270/2023420 AND 05000287/2023420

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DOCUMENT NAME: Oconee Nuclear Station, Units 1, 2 and 3 - Security Baseline Inspection Report 05000269-2023420 and 05000270-2023420 and 05000287-2023420.pdf

Non-Public Designation Category: MD 3.4 Non-Public

ADAMS ACCESSION NUMBER: ML23124A030

<input type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input type="checkbox"/> Publicly Available <input checked="" type="checkbox"/> Non-Publicly Available	
OFFICE	NSIR	RII	NSIR	NSIR	
NAME	P. Negrete	R. Patterson	R. Ober	J. Clark	
DATE	05/08/23	05/12/2023	05/18/2023	05/18/2023	

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: 05000269/2023420, 05000270/2023420 and 05000287/2023420

Enterprise Identifier: I-2023-420-0005

Licensee: Duke Energy Carolinas, LLC

Facility: Oconee Nuclear Station, Units 1, 2 and 3

Location: Seneca, South Carolina

Inspection Dates: March 06, 2023, to April 03, 2023

Inspectors: R. Ober, Team Leader, NSIR
T. Barry, Sr. Physical Security Inspector, NSIR
P. Negrete, Physical Security Inspector, NSIR
R. Patterson, Physical Security Inspector, RII

Approved By: Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations
Office of Nuclear Security and Incident Response

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Oconee Nuclear Station, Units 1, 2 and 3, 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

71130.03 - Contingency Response - Force-On-Force Testing (1 Sample)

- (1) NRC inspectors completed the Contingency Response – Force-on-Force (FOF) Testing inspection procedure by evaluating the licensee's performance in implementing the physical protection program to detect, assess, interdict, and neutralize threats up to, and including, the design basis threat of radiological sabotage. Two NRC-evaluated FOF exercises were conducted for the evaluation.

REPORT ATTACHMENTS

Supplemental Information for the report is considered Safeguards Information and is located separately within the NRC's Safeguards Information Local Area Network and Electronic Safe database (SLES), under NS126004.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On April 3, 2023, the inspectors presented the security baseline inspection results to Steven M. Snider and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.03	Corrective Action Documents Resulting from Inspection	02464659-02 02464659-03 02464659-05 02464659-07 02464659-09 02464659-01 02466852 02466853 20245817 2024581 02466850 20245815 02466858 20245815 02466838-01 02466838-02 02466838-03 02466838-04 02466838-06 02466838-07 02466838-08 02466838-09 02466838-10 024668388-11 02466838-13 02466838-15 02466838-16, 02466838-17 02467086, 02467072 20245894 02467089-01	N/A	Various

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		02467089-02 02467089-03 02467089-04 02467089-05 02467089-06 02467089-07 02467089-08 02467089-09		
71130.03	Miscellaneous	AD-SY-ONS-0600	Completed Attachment 21 of AD-SY-ONS-0600 for Post Exercise 1	
71130.03	Miscellaneous	CSD-SY-ONS-0201-08	Attachment 1 Security Shift Supervisors Journal for 12/28/22	12/28/22
71130.03	Miscellaneous	Oconee Nuclear Station	Protective Strategy Brief	N/A
71130.03	Miscellaneous	Oconee Protective Strategy PowerPoint	Physical Security Boundaries	1/12/2023
71130.03	Miscellaneous	ONS Protective Strategy	Adversary Timelines	1/18/2023
71130.03	Miscellaneous	ONS Protective Strategy	Responder Timelines	Revision 005
71130.03	Miscellaneous	PY-SY-ALL-005	Use of Force Policy	Revision 2
71130.03	Procedures	AD-SY-All-0600	Testing and Inspection of security Equipment and Barriers	Rev. 0
71130.03	Procedures	AD-SY-ONS-0254	ONS Protective Strategy	Revision 005
71130.03	Procedures	AD-SY-ONS-0600	Security Operational Testing and Inspection	Rev. 5
71130.03	Procedures	CSD-SY-ONS-0130-02	ONS Target Sets	Revision 2
71130.03	Procedures	Duke Energy Physical Security Plan	Change Matrix	Revision 29
71130.03	Procedures	Duke Energy	Duke Energy Physical Security Plan	Revision 29

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Physical Security Plan		