



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

August 5, 2025

Eric S. Carr
President - Nuclear Operations
and Chief Nuclear Officer
Dominion Energy South Carolina (DESC)
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA, VA 23060-6711

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – SECURITY BASELINE
INSPECTION REPORT 05000395/2025401

Dear Eric S. Carr:

On July 17, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Virgil C. Summer Nuclear Station, Unit 1 and discussed the results of this inspection with Fikiri Newton 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 cursive script that reads "Jannette Worosilo".

Signed by Worosilo, Jannette
on 08/05/25

Jannette G. Worosilo, Chief
Nuclear Security Branch
Division of Fuels, Radiological Safety, and Security

Docket No. 05000395
License No. NPF-12

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – SECURITY BASELINE INSPECTION REPORT 05000395/2025401 Dated 08/04/2025

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

Docket Number: 05000395

License Number: NPF-12

Report Number: 05000395/2025401

Enterprise Identifier: I-2025-401-0052

Licensee: Dominion Energy South Carolina (DESC)

Facility: Virgil C. Summer Nuclear Station, Unit 1

Location: Jenkinsville, SC

Inspection Dates: July 14, 2025 to July 17, 2025

Inspectors: J. Justice, Senior Physical Security Inspector
J. Stovall, Physical Security Inspector
J. Tornow, Physical Security Inspector

Approved By: Jannette G. Worosilo, Chief
Nuclear Security Branch
Division of Fuels, Radiological Safety, and Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Virgil C. Summer Nuclear Station, Unit 1, 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

71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

Access Control (1 Sample)

- (1)
 - Tier I: 02.01(b,c,d), 02.02(c,d,e,f,g), 02.03(a), 02.04(a,c,d,e), 02.05(a)
 - Tier II: 02.06(c), 02.08(a), 02.08(c), 02.08(e)
 - Tier III: 02.09

71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program. The following elements were evaluated from IP:

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: 02.01(a), 02.02(a,b,c,d,e,f,g,h,i), 02.03(a,b,c), 02.04(a,b,c,f,g), 02.05(b,c,d), 02.06(b,d,e), 02.07(a,b,c,d), 02.08(a,b,c,d,e)
 - Tier II: 02.09(a,b), 02.11(d), 02.13(a)
 - Tier III: 02.14

71130.07 - Security Training

The inspectors evaluated the security training program through completion of the following procedure elements:

Security Training (1 Sample)

- (1)
 - Tier I: 02.02(c,d,f), 02.03(a,b,c), 02.04(a)
 - Tier II: 02.05(a,b,c), 02.06(b), 02.08(a)
 - Tier III: 02.10, 02.14(a)

71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements:

Security Plan Changes (1 Sample)

- (1) Since the last NRC baseline inspection of this program area, Virgil C. Summer Nuclear Station Physical Security Plan, Revision 21, was implemented based on Virgil C. Summer Nuclear Station's evaluation, and in accordance with 10 CFR 50.54(p)(2), that the change resulted in no decrease in safeguards effectiveness of the security plan and the revised security plan continues to meet the requirements of 10 CFR 73.55(b). The inspector conducted a review of the security plan change to evaluate for potential decreases in the safeguard's effectiveness of the security plan; however, this review does not constitute formal NRC approval of this change. Therefore, the change remains subject to future NRC inspection in its entirety.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicator submittals listed below:

PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

- (1) July 2024 - June 2025

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On July 17, 2025, the inspectors presented the security baseline inspection results to Fikiri Newton and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	1263245 1283788 1262756		
	Miscellaneous	D06638	EntryScan 4e trace detection device	March 4, 2024
	Procedures	SPP-228	Search Equipment Operational Test Procedure	Revision 7
		SY-AA-117	Search Programs	Revision 5
		SY-AA-119	Protected Area Access Control	Revision 7
71130.04	Corrective Action Documents	1283475 1281577 1281579 1294487 1288184 1285723 1283732 1283520 1275259 1273619 1271810		
	Corrective Action Documents Resulting from Inspection	1296478 1296479		
	Procedures	PTP-102.022	EB and AEB Generator Loss of Power Test	Revision 0
		SMP-001	Metal Detection Equipment	Revision 4
		SMP-003	X-Ray Equipment	Revision 7
		SMP-006	Microwave Intrusion Detection Equipment	Revision 5
		SMP-011	Perifield-M Perimeter Detection Equipment	Revision 2
		SMP-012	Protected Area (PA) Vehicle Barrier System	Revision 1
		SMP-013	Handheld Metal Detection Equipment	Revision 1
		SMP-015	N-Smart Access Control System	Revision 0
		SMP-016	Owner Controlled Area (OCA) Vehicle Barrier System	Revision 0
		SMP-018	OCA Microwave Early Warning System	Revision 0
		SMP-019	OCA Perifield-M Early Warning System	Revision 0
		SPP-222	Operational Testing of Security System Components	Revision 3
		SPP-223	Security Surveillance System Operational Testing	Revision 7
SPP-224	Operational Testing of Security, Access Control, and Intrusion Detection Systems	Revision 6		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SPP-225	Perimeter Intrusion Detection System Operational Testing	Revision 6
		SPP-225	Perimeter Intrusion Detection System Operational Testing	Revision 6
		SPP-226	Operational Testing of Security Communication Systems	Revision 4
		SPP-227	Special Security Equipment Operational Testing	Revision 0
		SPP-228	Search Equipment Operational Test Procedure	Revision 7
		SPP-229	Operational Testing of Duress Alarm Devices	Revision 1
		SPP-230	Security Lighting System Inspection	Revision 2
		SPP-231	Security Barrier and Lock System Operational Test or Inspection	Revision 4
		SPP-236	Operation of the Vehicle Barrier System Checkpoint	Revision 2
		SY-AA-109	Security Compliance Reviews and Screenings	Revision 6
		SY-AA-129	Risk Assessment Process	Revision 0
		SY-AA-SCPIP-024	Compensatory Measures	Revision 3
		SY-AA-TR-102	Weapons Accountability, Testing, and Maintenance	Revision 15
	Self-Assessments	25-01: Security	2025 Fleet Security Audit	3/18/2025
Work Orders	88201709393 88101023650 88201735596 88201754304 88201763106 88201769270 88201769293			
71130.07	Miscellaneous		SLED Annual Review Training	
			Various Security Officer Training Records	
			Security Annual Exam 2025 Exam A Exam B	
		LP 1038	React to Tampering, Vandalism, or Malicious Mischief	
		LP 1114	Use of Force	
		LP 1304	New Hire Final Examination A Version B Version C Version	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		LP 2406	Firearm Familiarization	Revision 13
		LP 2408	Tactical Qualification Course	Revision 28
	Procedures	SP-300 Attachment 11	ON-THE-JOB TRAINING WORKSHEET - ARMED RESPONDER	Revision 9
		SPP-300	Security Training and Qualification Program: Training	Revision 9
		SPP-301	Security Training and Qualification Program: Qualification	Revision 9
71130.09	Procedures		V.C. Summer Physical Security Plan	Revision 21
71151	Procedures	LI-AA-500	NRC/INPO/WANO Performance Indicator and MOR Reporting	Revision 4
		SY-AA-126	Regulatory Assessment Performance Indicator Data Reporting	Revision 2