



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

August 5, 2021

Mr. Daniel Stoddard
Senior Vice President and Chief Nuclear Officer
Dominion Energy South Carolina (DESC)
5000 Dominion Blvd., Floor: IN-2SW
Glen Allen, VA 29060

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – SECURITY BASELINE
INSPECTION REPORT 05000395/2021402

Dear Mr. Stoddard:

On July 15, 2021, 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 Mr. George Lippard 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,

/RA/

Jannette G. Worosilo, Chief
Plant Support Branch
Division of Reactor Safety

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 05000395/2021402 Dated August 5, 2021

DISTRIBUTION:

- N. Simonian, NSIR
- D. Johnson, NSIR/DSO/SOSB
- J. Clark, NSIR/DSO/SPEB
- T. Keene, NSIR
- F. Sullivan, NSIR
- J. Justice, NSIR
- E. Wharton, NSIR
- J. Rubenstone, NMSS
- D. Dumbacher, DRP
- C. Read, SRI
- E. Hilton, RI
- J. Hamman, SPE
- M. Kowal, EICS
- S. Price, RII, ORA/RC
- L. Gibson, RII, EICS
- RIDSNRRPMSUMMER
- RIDSNRRDIRS
- RIDSNRRDRO
- PUBLIC

ADAMS ACCESSION NUMBER: **ML21217A139**

<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	RII/DRS		
NAME	A. Richardson	J. Tornow	J. Worosilo		
DATE	08/02/2021	7/28/2021	8/5/2021		

OFFICIAL RECORD COPY

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

Docket Number: 05000395

License Number: NPF-12

Report Number: 05000395/2021402

Enterprise Identifier: I-2021-402-0017

Licensee: Dominion Energy South Carolina (DESC)

Facility: Virgil C. Summer Nuclear Station, Unit 1

Location: Jenkinsville, SC 29065

Inspection Dates: July 12, 2021 to July 15, 2021

Inspectors: A. Richardson, Physical Security Inspector
J. Tornow, Physical Security Inspector

Approved By: Jannette G. Worosilo, Chief
Plant Support Branch
Division of Reactor Safety

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

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

SAFEGUARDS

71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program. The following elements were evaluated from this IP dated [date].

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 4 Requirements (02.09 a-b, 02.11 a-b)
 - Tier III: 2 Requirements (02.15 a, c)

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: All Requirements
 - Tier II: 6 Requirements (02.05 a - d, 02.06 b, 02.07 a)
 - Tier III: 5 Requirements (02.11 a, 02-12 a, 02.13 a-c)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On July 15, 2021, the inspectors presented the security baseline inspection results to Mr George Lippard and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.04	Corrective Action Documents	CR-21-00500	Contact vendor to evaluate potential upgrades to hardwire equipment	
71130.04	Corrective Action Documents	CR-21-0090	Security weapon did not meet criteria described in procedure SPP-240 "Firearms Cleaning, Maintenance and Repair"	
71130.04	Procedures	SMP-001	Metal Detection Equipment	Revision 3
71130.04	Procedures	SMP-003	X Ray Equipment	Revision 6
71130.04	Procedures	SMP-006	Microwave Intrusion Detection Equipment	Revision 4
71130.04	Procedures	SMP-009	Closed Circuit Television Equipment	Revision 4
71130.04	Procedures	SMP-011	Perifield-M Perimeter Detection Equipment	Revision 1
71130.04	Procedures	SMP-012	Protected Area Vehicle Barrier System	Revision 1
71130.04	Procedures	SMP-013	Handheld Metal Detection Equipment	Revision 1
71130.04	Procedures	SMP-014	Trace Explosive Detection Equipment	Revision 0
71130.04	Procedures	SMP-015	N-Smart Access Control Systems	Revision 0
71130.04	Procedures	SMP-016	Owner Controlled Area Vehicle Barrier System	Revision 0
71130.04	Procedures	SMP-023	Cargo X-Ray Equipment	Revision 0
71130.04	Procedures	SPP-222	Operational Testing of Security System Components	Revision 3
71130.04	Procedures	SPP-223	Security Surveillance System Operational Testing	Revision 7
71130.04	Procedures	SPP-224	Operational Testing Of Security Access Control And Intrusion Detection Systems	Revision 3
71130.04	Procedures	SPP-225	Perimeter Intrusion Detection System Operational Testing	Revision 6
71130.04	Procedures	SPP-226	Operational Testing Of Security Communication Systems	Revision 4
71130.04	Procedures	SPP-227	Special Security Equipment Operational Testing	Revision 0
71130.04	Procedures	SPP-228	Search Equipment Operational Test Procedure	Revision 6
71130.04	Procedures	SPP-229	Operational Testing Of Duress Alarm Devices	Revision 1
71130.04	Procedures	SPP-230	Security Lighting System Inspection	Revision 0
71130.04	Procedures	SPP-231	Security Barrier And Lock System Operational Test or Inspection	Revision 4
71130.04	Procedures	SPP-238	Security Equipment Accountability	Revision 1
71130.04	Procedures	SPP-239	Firearms Control And Accountability	Revision 2
71130.04	Procedures	SPP-240	Firearms Cleaning, Maintenance and Repair	Revision 3
71130.04	Procedures	SPP-241	OCA Early Warning System Operational Testing	Revision 0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.07	Procedures	SPP-300	Security Training and Qualification Program: Training	Revision 9
71130.07	Procedures	SPP-301	Security Training and Qualification Program: Qualification	Revision 9