



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

June 14, 2021

Mr. Daniel Stoddard  
Senior Vice President and Chief Nuclear Officer  
Virginia Electric and Power Company  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060

SUBJECT: SURRY POWER STATION – SECURITY BASELINE INSPECTION REPORT  
05000280/2021402, 05000281/2021402 AND 07200002/2021401

Dear Mr. Stoddard:

On May 27, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Surry Power Station 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,

**/RA/**

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

Docket Nos. 05000280 and 05000281  
License Nos. DPR-32 and DPR-37

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: SURRY POWER STATION – SECURITY BASELINE INSPECTION REPORT  
05000280/2021402, 05000281/2021402 AND 07200002/2021401-DATED  
June 14, 2021

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NAME	J. Tornow	J. Worosilo			
DATE	06/14/2021	06/14/2021			

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

Docket Numbers: 05000280 and 05000281

License Numbers: DPR-32 and DPR-37

Report Numbers: 05000280/2021402, 05000281/2021402 AND 07200002/2021401

Enterprise Identifier: I-2021-402-0015  
I-2021-401-0034

Licensee: Virginia Electric and Power Company

Facility: Surry Power Station

Location: Surry, Virginia

Inspection Dates: May 24, 2021 to May 28, 2021

Inspectors: J. Tornow, Physical Security Inspector  
J. Wallo, Senior 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 Surry Power Station, 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>.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), regional inspectors were directed to begin teleworking. The inspection documented below was completed through a combination of remote and onsite inspection.

## **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 August 23, 2018.

#### Equipment Performance, Testing, and Maintenance (1 Sample)

- (1) TIER I: All Requirements: 02.01 (a), 02.02 (a – e, g, i), 02.03 (a – c), 02.04 (a – g), 02.05 (a, c, d), 02.06 (a, c – e), 02.07 (a – d), 02.08 (a – e), 02.02 (b – h), 02.03 (c), 02.04 (c, f, g), 02.05 (b – d), 02.06 (b), 02.07 (b)

TIER II: No Requirements

TIER III: 1 Requirement: 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: (02.04), 02.01(a), 02.02(a - h), .03(a – e), 02.04(a – b)

TIER II: No Requirements

TIER III: 02.10

## **OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL**

### 81311 - Physical Security Requirements for Independent Spent Fuel Storage Installations

The inspector evaluated the physical security requirements for independent spent fuel storage installation programs.

### Physical Security Requirements for Independent Spent Fuel Storage Installations (1 Sample)

All inspection requirements for this IP dated October 6, 2020 were completed.

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On May 27, 2021, the inspectors presented the security baseline inspection results to Daniel Stoddard and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.04	Corrective Action Documents	1146710	Numerous alarms in a single security zone	5/7/20
		1146725	A security detector failed verification	5/8/20
		1147009	Torn pre-concentrator on a security detector	5/11/20
		1147556	Security X-Ray Machine Intermittently not scanning.	5/17/20
		1151596	AVB Daily Operability Test not conducted due to ongoing maintenance issue.	7/15/20
	Procedures	SY-AA-116	Maintenance, Testing, and Calibration	Rev. 3
		SY-AA-120	Operability Testing	Rev. 9
		SY-AA-TR-102	Weapons Accountability, Testing, and Maintenance	Rev. 10
71130.07	Corrective Action Documents	1146274	HVAC Unit Is At End Of Life Capacity	05/04/2020
		1156173	Spring plate on security weapons found cracked	09/23/2020
		1159080	Conducted Annual Target Set Review	10/22/2020
	Procedures	SY-AA-TR-101	Nuclear Security Training Program	Rev. 15
		SY-AA-TR-105	Systematic Approach to Training (SAT) Overview	Rev. 7
		SY-AA-TR-201	Security Drill and Exercise	Rev. 13
		SY-AA-TR-202	Target Set Development, Identification, and Maintenance	Rev. 12
		SY-AA-TR-203	Composite Adversary Team	Rev. 5
		SY-AA-TR-204	Security Challenge Drill and Evaluations	Rev. 0
		SY-AA-TR-205	On-the-Job Training/Task Performance Evaluation (OJT/TPE) Process	Rev. 0
		SY-AA-TR-206	Use of Security Firing Range	Rev. 2
SY-AA-TR-300	Nuclear Security Training 10 CFR 37 Requirements	Rev. 1		