



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

April 30, 2024

Eric S. Carr  
President, Nuclear Operations and Chief Nuclear Officer  
Virginia Electric and Power Company  
5000 Dominion Boulevard  
Innsbrook Technical Center  
Glen Allen, VA 23060-6711

SUBJECT: NORTH ANNA POWER STATION, UNITS 1 AND 2 – SECURITY BASELINE  
INSPECTION REPORT 05000338/2024403 AND 05000339/2024403

Dear Eric S. Carr:

On April 9, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at North Anna Power Station, Units 1 and 2 and discussed the results of this inspection with Jim Jenkins, Plant Manager 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 blue ink that reads "Daniel M. Bacon".

Signed by Bacon, Daniel  
on 04/30/24

D. Bacon, Chief  
Engineering Branch 2  
Division of Reactor Safety

Docket Nos. 05000338 and 05000339  
License Nos. NPF-4 and NPF-7

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: NORTH ANNA POWER STATION, UNITS 1 AND 2 – SECURITY BASELINE  
 INSPECTION REPORT 05000338/2024403 AND 05000339/2024403 DATED  
 APRIL 30, 2024

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OFFICE	RII/DRS	RII/DRS			
NAME	E. Coffman	D. Bacon			
DATE	4/30/24	4/30/24			

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

Docket Numbers: 05000338 and 05000339

License Numbers: NPF-4 and NPF-7

Report Numbers: 05000338/2024403 and 05000339/2024403

Enterprise Identifier: I-2024-403-0015

Licensee: Virginia Electric and Power Company

Facility: North Anna Power Station, Units 1 and 2

Location: Mineral, VA

Inspection Dates: April 08, 2024 to April 09, 2024

Inspectors: E. Coffman, Reactor Inspector

Approved By: Daniel M. Bacon, 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 inspection at North Anna Power Station, Units 1 and 2, 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**

### 71130.14 - Review of Power Reactor Target Sets

The inspectors evaluated the Security Target Set Program. The following elements were evaluated:

#### Review of Power Reactor Target Sets (1 Sample)

- (1) **Section 03.01 Review of Events and Logs**  
The inspector reviewed corrective action program entries since the last Target Set inspection that concern the target set identification, development, and maintenance program.

**Section 03.02 Target Set Identification and Development Process Review**  
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.

**Section 03.03 Verification of Target Sets Changes**  
The inspector reviewed 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.

**Section 03.04 Verification of Complete and Accurate Target Sets**  
The inspector interviewed licensee personnel and reviewed a sample of target sets for reactor operation and for modes other than operation. The inspector reviewed assumptions used in the licensee's development of its target sets.

**Section 03.05 Physical Protection Program Review**  
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 was retained or documented in this report.

- On April 9, 2024, the inspectors presented the security baseline inspection results to Jim Jenkins, Plant Manager and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents	CR 1171516		
		CR 1187105		
		CR 1214158		
		CR 1251324		
	Corrective Action Documents Resulting from Inspection	CR 1256030		
	Procedures	0-AP-9		Revision 16
SY-AA-TR-202			Revision 12	