



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE RD, STE 102
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 9, 2025

Brad Berryman
Senior Vice President and Chief Nuclear Officer
Susquehanna Nuclear, LLC
769 Salem Blvd. NUCSB3
Berwick, PA 18603

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 – SECURITY
BASELINE INSPECTION REPORT 05000387/2025403 AND 05000388/2025403

Dear Brad Berryman:

On November 20, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Susquehanna Steam Electric Station, Units 1 and 2, and discussed the results of this inspection with Doug LaMarca, 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,

Brice A. Bickett, Chief
Security, Emergency Preparedness and Incident
Response Branch
Division of Radiological Safety and Security

Docket Nos. 05000387 and 05000388
License Nos. NPF-14 and NPF-22

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 – SECURITY
BASELINE INSPECTION REPORT 05000387/2025403 AND 05000388/2025403
DATED DECEMBER 9, 2025

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000387 and 05000388

License Numbers: NPF-14 and NPF-22

Report Numbers: 05000387/2025403 and 05000388/2025403

Enterprise Identifier: I-2025-403-0036

Licensee: Susquehanna Nuclear, LLC

Facility: Susquehanna Steam Electric Station, Units 1 and 2

Location: 769 Salem Blvd. Berwick, PA

Inspection Dates: November 18, 2025 to November 20, 2025

Inspectors: T. Eck, Senior Physical Security Inspector
C. Davis, Physical Security Inspector
J. Edwards, Physical Security Inspector

Approved By: Brice A. Bickett, Chief
Security, Emergency Preparedness and Incident Response Branch
Division of 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 Susquehanna Steam Electric 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

71130.01 - Access Authorization

The inspectors evaluated the access authorization program. The following elements were evaluated:

Access Authorization (1 Sample)

- (1) 20 Requirements (02.01 a – c; 02.02 a - g, i, j; 02.04 a; 02.05 a; 02.06 a, b; 02.07 a, b; 02.08 b, c)

71130.02 - Access Control

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

Access Control (1 Sample)

- (1) 19 Requirements (02.01 a – c; 02.02 c – g; 02.04 a, e; 02.05 a; 02.06 b, c; 02.08 e – i; 02.09)

71130.08 - Fitness-For-Duty Program

The inspectors evaluated the fitness-for-duty program by completing the following inspection elements:

Fitness-For-Duty Program (1 Sample)

- (1) 23 Requirements (02.01 a; 02.02 a; 02.03 a, b; 02.04 a – c; 02.05 a - d, g – j; 02.06 a, b, d, g; 02.09 d, e; 02.10; 02.12 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, Security Plan Revision 17 to 18 was implemented. Based on the licensee's evaluation, and in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 50.54(p)(2), the change resulted in no decrease in safeguards effectiveness of the security plan and the revised security plan change continues to meet the requirements of 10 CFR 73.55(b). The inspector conducted a review of the security plan change to evaluate for a potential decrease in safeguards effectiveness of the security plan; however, this review does not constitute formal NRC approval of those changes. Therefore, the change remains subject to future NRC inspection in its entirety.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

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

- (1) October 1, 2024 through September 30, 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 November 20, 2025, the inspectors presented the security baseline inspection results to Doug LaMarca, Plant Manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.01	Procedures	NDAP-00-2001	Site Access Program	Revision 24
		NDAP-00-2003	Critical Group	Revision 5
		SA-SAI-001	Review of Personal History Questionnaire	Revision 0
		SAI-WI-02	Establishing Identity of Individuals for Unescorted Access Authorization	Revision 2
		SAI-WI-037	Guidelines for Adjudicating Trustworthiness, Reliability and FFD	Revision 8
	Self-Assessments	DPA-01-DI-2024-04122	Access Authorization 2025 NRC Inspection Self Assessment	06/05/2025
71130.02	Procedures	NS-SSP-002	Control, Issuance, and Assignment of Security Controlled Locks and Keys	Revision 24
		SI-SO-003	Duties and Responsibilities of the Access Control Officer	Revision 50
		SI-SO-006	Duties and Responsibilities of the South Gate House Search Officer	Revision 82
		SI-SO-008	Emergency Access and Egress	Revision 22
		SI-SO-034	Duties and Responsibilities of the Vehicle Search Officer	Revision 19
71130.08	Corrective Action Documents	2025-07091, 2025-08406, 2025-08701, 2025-14242, 2025-06398, 2025-02265, 2025-02909, 2025-10268, 2025-10262		
	Procedures		Generic Fitness for Duty and Behavior Observation Lesson Plan	Revision 4
		NDAP-00-2002	Fitness for Duty/Behavior Observation Program	Revision 28
	Self-Assessments	AR-2022-15916	2023 Access Authorization & FFD Audit Report	
		DPA-03-DI-2024-04122	Fitness for Duty 2025 NRC Inspection Self-Assessment	
71130.09	Procedures		Susquehanna Nuclear, LLC, Security Plan, Training and	Revision 18

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Qualification Plan and Independent Spent Fuel Storage Installation Security	
71151	Miscellaneous		PI data from October 1, 2024, through September 30, 2025	