



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

February 16, 2022

Mr. Brad Berryman  
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 05000387/2022402 AND 05000388/2022402

Dear Mr. Berryman:

On January 27, 2022, 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 Mr. Kevin Cimorelli, Site Vice President 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,

Daniel L. Schroeder, 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 05000387/2022402 AND 05000388/2022402  
 DATED FEBRUARY 16, 2022

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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: 05000387/2022402 and 05000388/2022402

Enterprise Identifier: I-2022-402-0028

Licensee: Susquehanna Nuclear, LLC

Facility: Susquehanna Steam Electric Station, Units 1 and 2

Location: Berwick, PA

Inspection Dates: January 24, 2022 to January 27, 2022

Inspectors: K. Hussar, Senior Physical Security Inspector  
S. McCarver, Physical Security Inspector  
M. Ordoyne, Physical Security Inspector (Training)

Approved By: Daniel L. Schroeder, 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 by completing the following inspection elements:

#### Access Authorization (1 Sample)

- (1)
  - Tier I: All Requirements
  - Tier II: All Requirements
  - Tier III: All Requirements

### 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)
  - Tier I: All Requirements
  - Tier II: 28 Requirements (02.05 a. – l., 02.06 a. – g., 02.07 a. – e., 02.08 a., b., 02.09 a., b)
  - Tier III: 7 Requirements (02.10, 02.11 a., 02.12 a., 02.13 a. – c., 02.14 a)

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On January 27, 2022, the inspectors presented the security baseline inspection results to Mr. Kevin Cimorelli, Site Vice President and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
71130.01	Corrective Action Documents	2019-09361 2020-13134 2020-00512 2021-06293 2021-01931 2021-15923 2021-14103			
	Miscellaneous		Fitness For Duty and Behavioral Observation Program Training	June 2021	
	Procedures	NDAP-00-2000	Conduct of Corporate Security, Access, and Fitness For Duty	Revision 17	
		NDAP-00-2001	Site Access Program	Revision 21	
		SAI-WI-016	Site Access Services Daily Work Assignments	Revision 3	
		SAI-WI-032	Pre-Review Process	Revision 1	
		SAI-WI-037	Guidelines For Adjudicating Trustworthiness, Reliability & Fitness For Duty	Revision 5	
	71130.08	Corrective Action Documents	2018-00261 2018-03502 2018-04483 2018-09617 2019-00637 2019-02091		
		Miscellaneous		ELSohly Laboratories, Inc. Audit NE-2021-17	December 10, 2020
				INPO Audit UAA-2021-03	April 8, 2021
			2019 & 2020 Susquehanna FFD Performance Data Submission to NRC		
			MedTox Laboratories Survey No. 25183/AR-2021-01086	April 29, 2021	
Procedures		FFD-WI-01	Urine and Breath Collection Process	Revision 5	
		FFD-WI-02	Collection a Urine Specimen Under Direct Observation	Revision 1	
		FFD-WI-03	Drug and Alcohol Testing of FFD Program Personnel, Their Supervisors, Co-Workers and Relatives	Revision 0	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		FFD-WI-04	Blind Performance Testing	Revision 3
		FFD-WI-07	RBTIV Alcohol Breath Testing Instrument Maintenance	Revision 0
		FFD-WI-08	Drug and Alcohol Selection and Scheduling	Revision 4
		FFD-WI-09	FFD Test Results and MRO Actions	Revision 2
		FFD-WI-10	Using Alternative Methods for FFD Collections	Revision 2
		NDAP-00-0025	Working Hour Limits for Station Staff	Revision 1
		NDAP-00-2002	Fitness for Duty/Behavior Observation Program	Revision 25