



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD, SUITE 102  
KING OF PRUSSIA, PA 19406-1415

August 29, 2024

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

SUBJECT: UPDATED INSPECTION PLAN FOR SUSQUEHANNA STEAM ELECTRIC  
STATION, UNITS 1 AND 2 (REPORT 05000378/2024005 AND  
05000388/2024005)

Dear Brad Berryman:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for Susquehanna Steam Electric Station, Units 1 and 2. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

This letter and its enclosure 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."

Please contact me at 610-337-5337 with any questions you have regarding this letter.

Sincerely,

Jonathan E. Greives, Chief  
Projects Branch 4  
Division of Operating Reactor Safety

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

Enclosure:  
Susquehanna Inspection Plan

cc w/encl: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 (REPORT 05000378/2024005 AND 05000388/2024005) DATED AUGUST 29, 2024

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DOCUMENT NAME: <https://usnc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-25 Second Quarter Process/Branch 4/ROP-25 Susquehanna Inspection Plan Transmittal Letter.docx>  
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<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	RI/DORS	RI/DORS			
NAME	JSchussler	JGreives			
DATE	8/27/24	8/27/24			

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## Susquehanna

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - SQ</b>						5
1,2	7/29/2024	8/2/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	8/19/2024	8/23/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>PI&amp;R Biennial Team Inspection - Susquehanna</b>						4
1,2	9/16/2024	9/20/2024	IP 71152B	000747	Problem Identification and Resolution	
1,2	9/30/2024	10/4/2024	IP 71152B	000747	Problem Identification and Resolution	
<b>EP Exercise Inspection - Susquehanna</b>						5
1,2	10/21/2024	10/25/2024	IP 71114.01	000716	Exercise Evaluation	
1,2	10/21/2024	10/25/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	10/21/2024	10/25/2024	IP 71151	001397	Performance Indicator Verification	
<b>Cyber Security - Susquehanna</b>						4
1,2	10/28/2024	11/1/2024	IP 71130.10	000741	Cybersecurity	
<b>RP - 71124.06 RETS and 71151 PIV</b>						1
1,2	11/4/2024	11/8/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	11/4/2024	11/8/2024	IP 71151	000746	Performance Indicator Verification	
<b>Access Control, Equipment Testing and Maintenance, Training, SPR</b>						3
1,2	12/2/2024	12/6/2024	IP 71130.02	000734	Access Control	
1,2	12/2/2024	12/6/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	12/2/2024	12/6/2024	IP 71130.07	000739	Security Training	
1,2	12/2/2024	12/6/2024	IP 71130.09	001656	Security Plan Changes	
1,2	12/2/2024	12/6/2024	IP 71151	001338	Performance Indicator Verification	
<b>Inservice Inspection - Susquehanna Unit 2</b>						1
2	3/31/2025	4/4/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP - 71124.01 Rad Hazards</b>						1
1,2	3/31/2025	4/4/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RP - 71124.05 Instruments</b>						1
1,2	6/2/2025	6/6/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>Material Control and Accounting - Susquehanna</b>						1
1,2	7/14/2025	7/18/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>2025 SQ Initial Operator Licensing Exam</b>						4
1,2	6/16/2025	6/20/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1,2	7/21/2025	7/25/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>RP - 71124.07 REMP</b>						1

# Site Inspection Activity Plan

1,2	7/28/2025	8/1/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>Comprehensive Engineering Team Inspection - Susquehanna</b>						7
1,2	8/25/2025	8/29/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1,2	9/8/2025	9/12/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
<b>SQ Requal Inspection with P/F Results</b>						2
1,2	9/22/2025	9/26/2025	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1,2	9/22/2025	9/26/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EP Program Inspection - Susquehanna</b>						2
1,2	10/27/2025	10/31/2025	IP 71114.02	000717	Alert and Notification System Testing	
1,2	10/27/2025	10/31/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	10/27/2025	10/31/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	10/27/2025	10/31/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	10/27/2025	10/31/2025	IP 71151	001397	Performance Indicator Verification	
<b>Access Control, AA, FFD, Sec Plan Review, PI - Susq</b>						3
1,2	11/3/2025	11/7/2025	IP 71130.01	000733	Access Authorization	
1,2	11/3/2025	11/7/2025	IP 71130.02	000734	Access Control	
1,2	11/3/2025	11/7/2025	IP 71130.08	000740	Fitness-For-Duty Program	
1,2	11/3/2025	11/7/2025	IP 71130.09	001656	Security Plan Changes	
1,2	11/3/2025	11/7/2025	IP 71151	001338	Performance Indicator Verification	
<b>RP - 71124.08 Rad Transportation PIV and 71151 PIV</b>						1
1,2	11/17/2025	11/21/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1,2	11/17/2025	11/21/2025	IP 71151	000746	Performance Indicator Verification	
<b>Age Related Degradation - Susquehanna</b>						3
1,2	1/12/2026	1/16/2026	IP 71111.21N.04	001832	Age-Related Degradation	
1,2	1/26/2026	1/30/2026	IP 71111.21N.04	001832	Age-Related Degradation	
<b>RP 71124.03 SQ</b>						1
1,2	2/2/2026	2/6/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>Inservice Inspection - Susquehanna Unit 1</b>						1
1	3/30/2026	4/3/2026	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP 71124.01 SQ</b>						1
1,2	4/6/2026	4/10/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>Sec - Access Control, Protective Strategy, TSR, SPR, PIs - Susq</b>						4
1,2	5/11/2026	5/15/2026	IP 71130.02	000734	Access Control	
1,2	5/11/2026	5/15/2026	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	5/11/2026	5/15/2026	IP 71130.09	001656	Security Plan Changes	

# Site Inspection Activity Plan

1,2	5/11/2026	5/15/2026	IP 71130.14	000743	Review of Power Reactor Target Sets
1,2	5/11/2026	5/15/2026	IP 71151	001338	Performance Indicator Verification

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