



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

August 31, 2023

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 05000387/2023005 AND
05000388/2023005)

Dear Brad Berryman:

The enclosed inspection plan lists the inspections scheduled through June 30, 2025, 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of

NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (610) 337-6916 with any questions you have regarding this letter.

Sincerely,

Sarah H. Elkhiamy, Acting Chief
Projects Branch 4
Division of Operating Reactor Safety

Docket Nos. 50-387 and 50-388
License Nos. NPF-14 and NPF-22

Enclosure:
Susquehanna Inspection Plan

cc: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR SUSQUEHANNA STEAM ELECTRIC
STATION, UNITS 1 AND 2 (REPORT 05000378/2023005 AND
05000388/2023005) DATED AUGUST 31, 2023

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RidsNrrPMRESusquehanna Resource
RidsNrrDorLpl1 Resource
DORS Specialist Branch Chiefs
DRSS Reactor Branch Chiefs
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RidsNrrDrolrib Resource

DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-24 Second Quarter Process/Branch 4/Susq ROP-24 Region I Inspection Plan Transmittal Letter.docx>
ADAMS Accession No. ML23242A122

☒ SUNSI Review		☒ Non-Sensitive ☐ Sensitive		☒ Publicly Available ☐ Non-Publicly Available	
OFFICE	RI/DORS	RI/DORS			
NAME	N Warnek	S Elkhiamy			
DATE	8/28/23	8/28/23			

OFFICIAL RECORD COPY

Site Inspection Activity Plan

Susquehanna

07/01/2023 - 06/30/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
License Renewal Phase 2 - Susquehanna Unit 2						1
2	7/24/2023	7/28/2023	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
FY23 Susquehanna Initial License Exam						4
1,2	7/30/2023	8/11/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
RP - 71124.08 Radwaste Shipping and 71151 PIV						1
1,2	9/18/2023	9/22/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1,2	9/18/2023	9/22/2023	IP 71151	000746	Performance Indicator Verification	
Susquehanna Requal Inspection with P/F Results						2
1,2	9/25/2023	9/29/2023	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1,2	9/25/2023	9/29/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
EP PROGRAM INSPECTION - SUSQUEHANNA						1
1,2	10/16/2023	10/20/2023	IP 71114.02	000717	Alert and Notification System Testing	
1,2	10/16/2023	10/20/2023	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	10/16/2023	10/20/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	10/16/2023	10/20/2023	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	10/16/2023	10/20/2023	IP 71151	001397	Performance Indicator Verification	
Fire Protection - Susquehanna						3
1,2	10/30/2023	11/3/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1,2	11/13/2023	11/17/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
RP - 71124.03 Airborne						1
1,2	1/15/2024	1/19/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
RP - 71124.04 Dosimetry						1
1,2	2/5/2024	2/9/2024	IP 71124.04	000728	Occupational Dose Assessment	
Commercial Grade Dedication - Susquehanna						3
1,2	1/29/2024	2/2/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	2/12/2024	2/16/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
RP - 71124.01 Rad Hazards						1
1,2	3/25/2024	3/29/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Inservice Inspection - Susquehanna Unit 1						1
1	4/1/2024	4/5/2024	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - SQ						5

Site Inspection Activity Plan

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	
PI&R Biennial Team Inspection - Susquehanna						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	
EP Exercise Inspection - Susquehanna						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	
Cyber Security - Susquehanna						4
1,2	10/28/2024	11/1/2024	IP 71130.10	000741	Cybersecurity	
RP - 71124.06 RETS and 71151 PIV						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	
Access Control, Equipment Testing and Maintenance, Training, SPR						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	
Inservice Inspection - Susquehanna Unit 2						1
2	3/31/2025	4/4/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP - 71124.01 Rad Hazards						1
1,2	3/31/2025	4/4/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
RP - 71124.05 Instruments						1
1,2	6/2/2025	6/6/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2025 SQ Initial Operator Licensing Exam						4
1,2	6/23/2025	6/27/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	