



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

August 28, 2018

Mr. Timothy S. Rausch
President and Chief Nuclear Officer
Susquehanna Nuclear, LLC
769 Salem Blvd., NUCSB3
Berwick, PA 18603

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 – UPDATED
INSPECTION PLAN (INSPECTION REPORT 05000387/2018005 AND
05000388/2018005)

Dear Mr. Rausch:

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, 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 twelve 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.

Additionally, NRC Region I plans to conduct an inspection per Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," and Inspection Procedure 71003, "Site Inspections at Plants with Timely Renewal Applications," at your facility during the period.

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 the NRC's Public Document

Room in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

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

Sincerely,

/RA/

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

Docket Numbers: 50-387 and 50-388
License Numbers: NPF-14 and NPF-22

Enclosure:
Inspection Plan

cc: Distribution via ListServ

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 – UPDATED
INSPECTION PLAN (INSPECTION REPORT 05000387/2018005 AND
05000388/2018005) DATED AUGUST 28, 2018

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-19 Second Quarter Process\BRANCH 4\ROP 19 Susquehanna MC Letter.docx
ADAMS ACCESSION NUMBER: **ML18240A196**

<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/DRP	RI/DRP			
NAME	SBarber	JGreives			
DATE	08/08/2018	08/27/2018			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Susquehanna

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
FORCE-ON-FORCE PLANNING & EXERCISE WEEK						7
1, 2	07/16/2018	07/20/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	08/06/2018	08/10/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
RETS						1
1, 2	08/06/2018	08/10/2018	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
50.59 PROCESS						3
1, 2	08/20/2018	08/24/2018	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
RADWASTE						1
1, 2	09/17/2018	09/21/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
MC&A						1
1, 2	09/24/2018	09/28/2018	IP 71130.11	000742	Material Control and Accounting (MC&A)	
CYBER FULL IMP						4
1, 2	10/15/2018	10/19/2018	IP 71130.10P	000741	Cyber Security	
1, 2	10/29/2018	11/02/2018	IP 71130.10P	000741	Cyber Security	
EP EXERCISE INSPECTION						4
1, 2	10/15/2018	10/19/2018	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/15/2018	10/19/2018	IP 71151	001397	Performance Indicator Verification	
BASELINE HP & PI VERIFICATION						1
1, 2	12/10/2018	12/14/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	12/10/2018	12/14/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	12/10/2018	12/14/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	12/10/2018	12/14/2018	IP 71124.04	000728	Occupational Dose Assessment	
ACCESS CONTROL, EQUIP PERF, TRAINING						3
1, 2	02/11/2019	02/15/2019	IP 71130.02	000734	Access Control	
1, 2	02/11/2019	02/15/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	02/11/2019	02/15/2019	IP 71130.07	000739	Security Training	
1, 2	02/11/2019	02/15/2019	IP 71151	001338	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Susquehanna

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
HP						1
1, 2	02/25/2019	03/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/25/2019	03/01/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
HP						1
1, 2	04/08/2019	04/12/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/08/2019	04/12/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
INSERVICE INSPECTION - UNIT 2						1
2	04/22/2019	04/26/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
REMP						1
1, 2	05/20/2019	05/24/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
SUSQUEHANNA INITIAL OL EXAM						4
1, 2	07/29/2019	08/02/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	08/26/2019	09/02/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
DESIGN BASES ASSURANCE INSP - TEAMS						6
1, 2	09/16/2019	09/20/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	09/30/2019	10/04/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
ISFSI OPERATIONAL INSPECTION						2
1, 2	09/23/2019	09/27/2019	IP 60855	001001	Operation Of An ISFSI	
1, 2	09/23/2019	09/27/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EP PROGRAM INSPECTION						2
1, 2	10/23/2019	10/27/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	10/23/2019	10/27/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	10/23/2019	10/27/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/23/2019	10/27/2019	IP 71151	001397	Performance Indicator Verification	
SQ REQUAL INSP WITH P/F RESULTS						2
1, 2	10/28/2019	11/01/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
1, 2	10/28/2019	11/01/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	

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Susquehanna

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
HP						1
1, 2	11/04/2019	11/08/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/04/2019	11/08/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/04/2019	11/08/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/04/2019	11/08/2019	IP 71124.04	000729	Occupational Dose Assessment	
1, 2	11/04/2019	11/08/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Radwaste						1
1, 2	03/09/2020	03/13/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
License Renewal Phase 1 - Unit 1						1
1	03/23/2020	03/27/2020	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
ISI - UNIT 1						1
1	03/23/2020	03/27/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
HP						1
1, 2	04/13/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/13/2020	04/17/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
Access Control, Protective Strategy, TSR						4
1, 2	06/15/2020	06/19/2020	IP 71130.02	000734	Access Control	
1, 2	06/15/2020	06/19/2020	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	06/15/2020	06/19/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
1, 2	06/15/2020	06/19/2020	IP 71151	001338	Performance Indicator Verification	