



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

May 28, 2020

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 –
NOTIFICATION OF CONDUCT OF A FIRE PROTECTION TEAM INSPECTION

Dear Mr. Berryman:

The purpose of this letter is to notify you that U.S. Nuclear Regulatory Commission (NRC) staff will conduct a fire protection team inspection at your Susquehanna Steam Electric Station, Units 1 and 2, starting in September 2020. The inspection will be conducted in accordance with Inspection Procedure 71111, Attachment 21N.05, "Fire Protection Team Inspection (FPTI)," dated June 12, 2019. The inspection team will be led by Mr. Eugene DiPaolo, a Senior Reactor Inspector from the NRC Region I Office.

The inspection will verify that plant structures, systems, and components, and/or administrative controls credited in the approved fire protection program can perform their licensing basis function.

The schedule for the inspection is as follows:

- Information Gathering Visit: September 8 – 10, 2020
- Onsite Inspection: Weeks of September 21, 2020 and October 5, 2020

The purpose of the information gathering visit is to obtain information and documentation needed to support the inspection and to become familiar with the station's fire protection program, fire protection features, post-fire safe shutdown capabilities, and plant layout. During the information gathering visit, the team leader will select the specific samples to be reviewed during the onsite inspection weeks.

The enclosure lists the types of documents that will be needed prior to the information gathering visit. Please provide the referenced information to the Region I office by August 14, 2020. Following sample selection, additional documents will be requested specific to those samples. Your cooperation and support during this inspection will be appreciated.

If you have questions concerning this inspection, or the inspection team's information request or logistical needs, please contact Mr. Eugene DiPaolo, Team Leader at (610) 337-6959, or via e-mail at eugene.dipaolo@nrc.gov

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, under Control Number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

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 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

X /RA/

Signed by: Glenn T. Dentel

Glenn T. Dentel, Chief
Engineering Branch 2
Division of Reactor Safety

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

Enclosure:
Fire Protection Team Inspection Supporting
Documentation

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 NOTIFICATION OF CONDUCT OF A FIRE PROTECTION TEAM INSPECTION
 DATED MAY 28, 2020

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OFFICE	RI/DRS	RI/DRS			
NAME	EDiPaolo	GDentel			
DATE	05/27/20	05/27/20			

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Fire Protection Team Inspection Supporting Documentation

If you have any questions regarding this information request, please contact Mr. Eugene DiPaolo at (610) 337-6959 or via e-mail at eugene.dipaolo@nrc.gov.

Electronic format is preferred. If electronic media is made available via an internet-based document management system, then document access must allow inspectors to download, save, and print the documents in the NRC's Regional office. Paper records (hard copy) are acceptable. At the end of the inspection, the documents in the team's possession will not be retained.

This document request is based on *typical documents* that a generic plant might have. As such, this generic document request is not meant to imply that any specific plant is required to have all of the listed documents. It is recognized that some documents listed below may not be available for your plant. In addition, the document titles listed below are based on typical industry document names; your plant specific document titles may vary.

Note that following sample selection, additional documents will be requested specific to those samples.

Please provide these documents to the inspection team leader in the Region I Office by August 14, 2020:

1. Post-Fire Safe Shutdown or Alternative Shutdown Analysis
2. List of post-fire safe shutdown components (i.e., safe shutdown equipment list), if not already included in item (1) above
3. Fire Hazards Analysis Report
4. Fire Probabilistic Risk Assessment (Fire PRA) Summary Document. If a Fire PRA is not available, please provide the Individual Plant Examination for External Events (Fire Chapter Only)
5. Fire Protection Program and/or Fire Protection Plan Document(s)
6. Fire Protection Program implementing procedures, if not already included in item (5). This could include procedures for programs such as transient combustible controls, hot work, etc.
7. Fire Protection Design Basis Document(s), if available
8. List of all safety evaluations performed to support any plant modifications since September 2017. Include a short description and/or title of each evaluation.
9. List of all 10 CFR 50.59 applicability determinations and screens (date, number, title) performed since September 2017. Include a short description and/or title of each document.

Enclosure

10. List of all fire protection system impact screening reviews for any design changes, modifications, or temporary modifications completed since September 2017 (e.g., a Generic Letter 86-10 review, LS-AA-128 review, etc.). Include a short description and/or title of each review.
11. List of fire protection system, post-fire safe shutdown, or alternative shutdown design changes completed since September 2017. Include a short description and/or title of each change.
12. List of the top 25 highest fire CDF scenarios, if available
13. List of the top 25 highest fire LERF scenarios, if available
14. From your most recent site-specific PRA, *including* external events and fires (if available):
 - Two risk rankings of components: one sorted by Risk Achievement Worth (RAW) and the other sorted by Birnbaum Importance
 - A list of the top 100 cut sets
15. Risk ranking of operator actions and/or recovery actions from your site-specific PRA sorted by Risk Achievement Worth
16. List of current fire protection system impairments, including description
17. List of time critical operator actions and associated program procedure
18. One-line diagram of the electrical distribution system
19. Copy of the Updated Final Safety Analysis Report
20. Copy of the Technical Requirements Manual
21. Copy of the Quality Assurance Program Manual (including specific fire protection Quality Assurance Manual, if applicable)
22. Copy of the Corrective Action Program Procedure(s)
23. List of station procedures used to respond to fire (i.e., Emergency Operating Procedures, Abnormal Operating Procedures, and Annunciator Response Procedures). Include the procedure number, title, and current revision
24. List of open and closed condition reports for post-fire safe shutdown or alternative shutdown issues since September 2017 (e.g., issues affecting safe shutdown analysis, fire hazards analysis, safe shutdown operating procedures and/or training, timeline evaluations for operator actions, etc.). Include the issue report number and a brief description.
25. List of open and closed condition reports for fire protection system issues (e.g., fire pumps, detection, suppression, etc.) since September 2017. Include the issue report number and a brief description.

26. List of open and closed condition reports related to the fire brigade or fire drills since July 2017. Include the issue report number and a brief description.

27. Copies of the following condition reports:

CR-2017-13710	CR-2017-14802	CR-2017-15307	CR-2018-12310
CR-2017-14574	CR-2017-14813	CR-2017-15491	CR-2017-15590
CR-2017-14743	CR-2017-14957	CR-2017-15529	CR-2017-15656
CR-2017-14748	CR-2017-15036	CR-2017-15531	CR-2018-12308
CR-2018-12310			

28. Copies of any self-assessments performed, and corrective action documents generated, in preparation for this fire protection team inspection.