



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

February 14, 2022

Mr. David P. Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Officer (CNO)
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: LIMERICK GENERATING STATION, UNITS 1 AND 2 – NOTIFICATION OF
CONDUCT OF A FIRE PROTECTION TEAM INSPECTION**

Dear Mr. Rhoades:

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 Limerick Generating Station, starting in June 2022. 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 Ms. Carey Bickett, 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: May 24 – 25, 2022
- Onsite Inspection: Weeks of June 6, 2022 and June 20, 2022¹

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 inspection weeks. The information gathering visit may be conducted remotely due to the pandemic situation.

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 May 18, 2022.

¹ June 20, 2022 is a federal holiday. Inspection this week will start on June 21, 2022.

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 Ms. Carey Bickett, Team Leader at (610) 337-5317, or via e-mail at carey.bickett@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,

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

Docket Nos. 50-352 and 50-353
License Nos. NPF-39 and NPF-85

Enclosure:
Fire Protection Team Inspection
Supporting Documentation

cc: Distribution via LISTSERV®

SUBJECT: LIMERICK GENERATING STATION, UNITS 1 AND 2 – NOTIFICATION OF
CONDUCT OF A FIRE PROTECTION TEAM INSPECTION, DATED
FEBRUARY 14, 2022

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/EngineeringBranch2/Shared Documents/Fire Protection/Triennial Fire Protection 90Day Letters/Limerick/2022 LIM 90d Letter.docx>

ADAMS ACCESSION NUMBER: ML22045A482

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OFFICE	RI/DORS	RI/DORS			
NAME	CBickett	GDentel			
DATE	2/14/22	2/14/22			

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Fire Protection Team Inspection Supporting Documentation

If you have any questions regarding this information request, please contact Ms. Carey Bickett at (610) 337-5317 or via e-mail at carey.bickett@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. Additionally, word-searchable documents are preferred, if available. 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 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.

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 May 18, 2022:

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 Design Basis Document(s), if available
6. Fire Protection Program and/or Fire Protection Plan Document(s), if not already included above.
7. Fire Protection Program implementing procedures, if not already included above. This could include procedures for programs such as transient combustible controls, hot work, changes to the fire protection program, etc.
8. List of all fire protection system impact screening reviews for any design changes, modifications, or temporary modifications completed since January 2019 (e.g., a Generic Letter 86-10 review, LS-AA-128 review, etc.). Include a short description and/or title of each review.
9. List of fire protection system, post-fire safe shutdown, or alternative shutdown design changes completed since January 2019. Include a short description and/or title of each change.

Enclosure

10. List of all Generic Letter 86-10 evaluations completed since January 2019. Include a short description and/or title of each evaluation.
11. List of the top 25 highest fire CDF scenarios, if available.
12. List of current fire protection system impairments, including description
13. List of time-critical operator actions and associated program procedure
14. Copy of the thermal-hydraulic calculation or analysis that determined the time requirements for the time-critical operator actions
15. Copy of the Updated Final Safety Analysis Report (sections associated with fire protection as a minimum)
16. Copy of the Technical Requirements Manual (sections associated with fire protection as a minimum)
17. Copy of station procedures used for fire safe shutdown from inside and outside of the control room (e.g., alarm response procedure, procedure for shutdown from the remote shutdown panel, etc.)
18. Copy of basis documents for station procedures used for fire safe shutdown from inside and outside of the control room, if available.
19. List of open and closed issue reports for post-fire safe shutdown or alternative shutdown issues since January 2019 (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.
20. List of open and closed issue reports for fire protection system issues (e.g., fire pumps, detection, suppression, etc.) since January 2019. Include the issue report number and a brief description.
21. List of open and closed issue reports related to the fire brigade or fire drills since January 2019. Include the issue report number and a brief description.
22. Copies of any fire protection-related self-assessments or audits performed since January 2019.
23. Copies of the following issue reports:

4213319	4213321	4215562	4216283
4216395	4216446	4219061	4219669
4219673	4219778	4220058	4220112
4220114			
24. Copy of the Corrective Action Program Procedure(s)