



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE RD, STE 102
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

June 28, 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: CALVERT CLIFFS NUCLEAR POWER PLANT, 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 Calvert Cliffs Nuclear Power Plant, starting in October 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: October 4–6, 2022
- Onsite Inspection: Weeks of October 17 and October 31, 2022

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 September 29, 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. 50-317 and 50-318
License Nos. DPR-53 and DPR-69

Enclosure:
Fire Protection Team Inspection
Supporting Documentation

cc: Distribution via LISTSERV®

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 NOTIFICATION OF CONDUCT OF A FIRE PROTECTION TEAM INSPECTION
 DATED JUNE 28, 2022

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

ADAMS ACCESSION NUMBER: ML22179A211

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OFFICE	RI/DORS	RI/DORS			
NAME	CBickett	GDentel			
DATE	06/27/2022	06/27/2022			

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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.

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 September 29, 2022:

1. Copy of the Nuclear Safety Capability Assessment.
2. Copy of the Fire Hazards Analysis Report and/or NFPA 805 Design Basis Document.
3. Copy of the Fire Probabilistic Risk Assessment (Fire PRA) summary document, or full PRA document if summary is not available.
4. Copy of the NFPA 805 transition report, developed in accordance with NEI 04-02.
5. Post-Fire Human Reliability Assessment calculation.
6. Copy of any plant change evaluations completed since October 2019 (NFPA 805 Section 2.4.4).
7. Copy of any fire protection engineering equivalency evaluations completed since October 2019 (NFPA 805 Section 2.2.7).
8. Copy of any other fire protection program design basis documents, if available.
9. List of change packages associated with any fire protection system, fire protection program, safe shutdown system, or nuclear safety capability modifications completed since October 2019. Include a short description and/or title of each change.
10. List of all fire protection system impact screening reviews for any design changes, modifications, or temporary modifications completed since October 2019 (e.g., LS-AA-128 review, etc.). Include a short description and/or title of each review.

Enclosure

11. List of current fire protection system impairments, including description.
12. List of recovery actions and associated program procedure for validation of recovery actions, if not included above.
13. Thermal-hydraulic calculation or analysis that determines the time requirements for time-critical operator actions and/or recovery actions, if not included above.
14. Copy of the Updated Final Safety Analysis Report (sections associated with fire protection at a minimum).
15. Copy of the Technical Requirements Manual (sections associated with fire protection as a minimum).
16. 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.).
17. Copy of basis documents for the procedures in Item 16, if available.
18. List of open and closed issue reports related to post-fire safe shutdown or alternative shutdown issues on since October 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.
19. List of open and closed issue reports for fire protection system issues (e.g., fire pumps, detection, suppression, etc.) since October 2019. Include the issue report number and a brief description.
20. List of open and closed issue reports related to the fire brigade or fire drills since October 2019. Include the issue report number and a brief description.
21. Copies of procedures, work orders, preventive maintenance tasks, or other documents which implement the commitments made as part of the license extension related to fire protection.
22. Fire Protection Program and/or Fire Protection Plan Document(s), if not already included above.
23. 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.
24. Copies of any fire protection-related self-assessments or audits performed since October 2019.

25. Copies of the following issue reports:

4267663	4274804	4276645	4277875	4278033
4278046	4278073	4278075	4278079	4278324
4278327	4278683	4278741	4278790	4278853
4279004	4280273	4280796	4281526	4281807
4281862	4281997	4282024	4282071	4282114
4282386				

26. Copy of the Corrective Action Program Procedure(s).