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ACCESSION NBR: 8406210349 DOC. DATE: 84/06/15 NOTARIZED: NO DOCKET # 05000316
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000316
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
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 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Requests addl technical exemption from App R requirements re penetration seals in seismic gaps between containment & auxiliary bldg & ventilation ducts that penetrate fire barriers.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps involved in the accounting cycle, from identifying the transaction to posting it to the appropriate ledger account.

3. The third part of the document discusses the role of the auditor in verifying the accuracy of the records. It describes the various techniques used by auditors to test the reliability of the data and to ensure that the financial statements are presented fairly.

4. The fourth part of the document addresses the issue of internal controls. It explains how a well-designed system of internal controls can help to minimize the risk of error and to ensure that the organization's assets are protected.

5. The fifth part of the document discusses the importance of transparency and accountability in financial reporting. It argues that organizations should be open and honest about their financial performance and should provide clear and concise information to their stakeholders.

6. The sixth part of the document discusses the role of the government in regulating the financial system. It describes the various laws and regulations that govern the behavior of financial institutions and the consequences of non-compliance.

7. The seventh part of the document discusses the importance of ethical behavior in the financial industry. It argues that financial professionals should always act in the best interests of their clients and should avoid any conflicts of interest.

8. The eighth part of the document discusses the role of the media in financial reporting. It describes how the media can help to disseminate financial information and to hold financial institutions accountable for their actions.

9. The ninth part of the document discusses the importance of ongoing education and training for financial professionals. It argues that the financial industry is constantly evolving and that professionals must stay up-to-date on the latest developments.

10. The tenth part of the document discusses the importance of collaboration and communication among financial institutions. It argues that working together can help to improve the efficiency of the financial system and to reduce the risk of systemic failure.

INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

June 15, 1984
AEP:NRC:0692R

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
REQUEST FOR ADDITIONAL TECHNICAL EXEMPTIONS WITH
REGARD TO CERTAIN FIRE DAMPERS AND "SEISMIC GAPS"

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

The purpose of this letter is to request technical exemption for two areas of Appendix R. The areas involved are (1) penetration seals in the seismic gaps between the containment and the auxiliary building, and (2) ventilation ducts identified in this letter which penetrate fire barriers.

The need for additional exemptions was just recently discovered. From discussions with our fire protection consultant we believe these conditions are minor deviations from the literal requirements of Appendix R.

The seismic gaps were originally designed at the Donald C. Cook Nuclear Plant to assure that the containment and auxiliary building would be decoupled following a design basis earthquake so that the movement of one building would not adversely affect the other. In addition, as part of the design basis of the plant, analyses had to be performed to show that the auxiliary building would not be adversely affected by the consequences of High Energy Line Breaks outside containment. It is our current belief that some of these analyses took credit for available relief area associated with the gaps. We are currently reviewing our records to determine whether this in fact was done. We will advise you accordingly. If we had to provide continuous fire protection by sealing those gaps, this would be an extreme burden because of the additional structural and thermohydraulic analyses required to substantiate that the plant was still within the envelope of its original design criteria.

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We believe that we can provide adequate engineering justification to show that the seismic gaps can be left open without destroying the capability of the plant to be safely shutdown in the event of a fire. However, our detailed technical justification for the seismic gap exemption does not accompany this letter because of the time required to complete these analyses. We anticipate that the results of these analyses will be available on July 16, 1984.

In the area of HVAC ductwork, we have recently discovered that technical exemptions are required for 17 ducts which penetrate fire barriers. These areas are typified by low combustible loading, and duct outlets being located in an area sufficiently removed from equipment important to the safe shutdown of the facility. Sound engineering evaluations can be used to justify our request for technical exemption of the requirements for fire dampers.

As of now seventeen (17) duct penetrations have been identified as falling into that category. They include:

<u>No. of Penetrations</u>	<u>Size of Duct</u>	<u>Elevation</u>	<u>Location</u>
4	45" x 35"	650'-0"	Auxiliary Building
2	40" x 40"	650'-0"	" "
2	36" x 36"	650'-0"	" "
2	52" x 24"	609'-0"	" "
1	72" x 30"	609'-0"	" "
1	34" x 30"	609'-0"	" "
1	36" x 24"	609'-0"	" "
1	44" x 24"	609'-0"	" "
1	24" x 30"	609'-0"	" "
1	25" x 28"	587'-0"	" "
1	26" x 30"	587'-0"	" "

Since we only recently discovered this problem, we have not had time to complete the required engineering evaluation. This evaluation is also scheduled for completion by July 16, 1984.

This letter has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours

M. P. Alexich
M. P. Alexich 8/5/84
Vice President

MPA/cm

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
E. R. Swanson, NRC Resident Inspector - Bridgman

[The body of the document contains several paragraphs of text that are extremely faint and illegible due to the quality of the scan. The text appears to be organized into a structured format, possibly a list or a series of entries, but the specific details cannot be discerned.]