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50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
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FITZPATRICK, E.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
RECIP. NAME      RECIPIENT AFFILIATION  
RUSSELL, W.T.      Document Control Branch (Document Control Desk) *See Reports*

SUBJECT: Application for amends to Licenses DPR-58 & DPR-74, modifying  
TS 3.9.3 for units to allow start of core of offload 100 h  
after core subcriticality instead of 168 h currently  
specified. Rev 2 to HI-941183 rept encl.

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AEP:NRC:1202

Donald C. Cook Nuclear Plant Units 1 and 2  
Docket No. 50-315 and 50-316  
License No. DPR-58 and DPR-74  
REFUELING OPERATIONS DECAY TIME  
TECHNICAL SPECIFICATION AMENDMENT REQUEST

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Attn: W. T. Russell

November 16, 1994

Dear Mr. Russell:

This letter and its attachments constitute an application for an amendment of the license conditions and technical specifications (T/Ss) for Donald C. Cook Nuclear Plant Units 1 and 2. Specifically, we are proposing to modify T/S 3.9.3, for both units, to allow start of core offload 100 hours after core subcriticality instead of the 168 hours currently specified. Also included in this submittal are necessary changes (corrections) to minor typographical omissions in Figure 5.6-1 "Normal Storage Pattern (Mixed Three Zone)" and Figure 5.6-2 "Interim Storage Pattern (Checkerboard)." In addition, some clarifications are included to the spent nuclear fuel pool storage rack boron poison surveillance program committed to in AEP:NRC:1146.

Attachment 1 provides a detailed description of the proposed changes, justification for the changes, and our determination of no significant hazards consideration performed pursuant to 10 CFR 50.92. Attachment 2 contains an analysis report performed by Holtec International supporting our justification for the earlier fuel movement change. Attachment 3 contains existing T/S pages marked to reflect the proposed changes. Attachment 4 contains the affected T/S pages with the proposed changes incorporated.

We believe that the proposed changes will not result in (1) a significant change in the types of any effluent that may be released offsite or (2) a significant increase in individual or cumulative occupational radiation exposure.

ADDOK

Mr. W. T. Russell

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AEP:NRC:1202

The proposed changes have been reviewed by the Plant Nuclear Safety Review Committee and the Nuclear Safety and Design Review Committee.

In compliance with the requirements of 10 CFR 50.91(b)(1), copies of this letter and its attachments have been transmitted to Mr. J. R. Padgett, of the Michigan Public Service Commission, and to the Michigan Department of Public Health.

This letter is submitted pursuant to 10 CFR 50.30(b) and, as such, an oath statement is attached.

Sincerely,



E. E. Fitzpatrick  
Vice President

jc

Attachments

cc: A. A. Blind  
G. Charnoff  
J. B. Martin - Region III  
NFEM Section  
NRC Resident Inspector - Bridgman  
J. R. Padgett

STATE OF OHIO)  
COUNTY OF FRANKLIN)

E. E. Fitzpatrick, being duly sworn, deposes and says that he is the Vice President of licensee Indiana Michigan Power Company, that he has read the foregoing REFUELING OPERATIONS DECAY TIME TECHNICAL SPECIFICATION AMENDMENT REQUEST and knows the contents thereof; and that said contents are true to the best of his knowledge and belief.

E E Fitzpatrick

Subscribed and sworn to before me this 17<sup>th</sup>

day of November, 1994.

Rita D. Hill  
NOTARY PUBLIC

RITA D. HILL  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES 6-28-99