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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME: AUTHOR AFFILIATION  
 HUNTER, R.S. Indiana & Michigan Electric Co.  
 RECIP. NAME: RECIPIENT AFFILIATION  
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Application for amend of License DPR-74 requesting relief  
 from Tech Specs 3.0.4 & 4.0.4 re. inability of safety  
 injection pumps to meet discharge pressure requirement per  
 Spec 3/4.5.2 surveillance requirement.

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THE  
FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE  
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR

SUBJECT: [Illegible]

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# INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18  
BOWLING GREEN STATION  
NEW YORK, N. Y. 10004

May 11, 1981  
AEP:NRC:0568



Donald C. Cook Nuclear Plant Unit No. 2  
Docket No. 50-316  
License No. DPR-74  
Technical Specification Change Report

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 immediate relief from requirements of Technical Specification 3.0.4 and 4.0.4 concerning the inability of one of the Safety Injection pumps to meet its discharge pressure requirement pursuant to the Surveillance Requirement of Specification 3/4.5.2. Specifically, surveillance requirement 4.5.2.f.2 requires the SI pump to develop a discharge pressure of greater than or equal to 1445 psig on recirculation flow. One of the two redundant SI pumps failed to meet this requirement when its discharge pressure only reached about 1400 psig. The second SI pump met the surveillance requirements and so did the remaining ECCS pumps. We have initiated the required activities to repair the pump in an effort to comply with the requirements of 4.5.2.f.2 and we estimate that this work activity will take approximately 72 hours. The ACTION statement of Specification 3/4.5.2 allows one SI pump to be inoperable for up to 72 hours. As such we are requesting that the relief from the requirements of 3.0.4 and 4.0.4 start from the time we enter Mode 3 and proceed to Mode 2 until 72 hours have elapsed. If the pump is not operable by then the plant will be returned to Mode 4 in accordance with the requirements of Action statement a. of Specification 3.5.2.

We are requesting this relief in order to not further delay the startup of Unit 2 from its recently completed refueling outage. We believe that it is essential for D. C. Cook Unit 2 to return to service without delay in order to improve the AEP system capability to meet system load, especially in light of the current coal miners' strike.

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THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

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During the requested 72 hours period of time to allow for the SI pump repair the redundant SI pump will be kept operable per the provisions of Technical Specification 3/4.5.2. Operating in this manner will not degrade significantly the safety of the plant since the Safety Analysis requirements as presented in the FSAR are met with only one of the two redundant SI pumps. The plant operators will be instructed to verify the operability of all the remaining ECCS pumps and their emergency power sources per the requirements of Specification 3/4.5.2 while the SI pump is being repaired. In any case, should the operable SI pump or the emergency power source of the redundant train need to be taken out of service we will initiate actions to comply with the requirements of Specification 3.0.3.

We request your urgent attention to this matter and need relief from you today so that we can maintain our current schedule to bring Cook Unit 2 into power operation.

This request has been reviewed by the Cook Plant's PNSRC and by our Nuclear Safety and Licensing Section. Their review indicates that the proposed request will not adversely affect the health and safety of the public. The AEPSC NSDRC will review this request at its next meeting.

AEPSC interprets 10 CFR 170.22 as requiring that a Class III fee accompany this submittal. As such a \$4,000 check is attached to it.

Very truly yours,



R. S. Hunter  
Vice President

RSH/os

cc: John E. Dolan - Columbus  
R. C. Callen  
G. Charnoff  
R. W. Jurgensen  
D. V. Shaller - Bridgman  
Region III Resident Inspector - Bridgman

