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 ALEXICH, M.P. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION
 MURLEY, T.E. Office of Nuclear Reactor Regulation, Director (Post 870411 R

SUBJECT: Informs of completion of long-term resolution action for NRC
 Bulletin 88-004, "Potential Safety-Related Pump Loss."

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AEP:NRC:1065A
TAC Nos. 64962/64963

Donald C. Cook Nuclear Plant Units 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
FINAL RESOLUTION OF NRC BULLETIN 88-04

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

Attn: T. E. Murley

March 3, 1989

Dear Dr. Murley:

This letter is to inform you of the completion of the long term resolution action for NRC Bulletin 88-04, "Potential Safety Related Pump Loss." In our submittal AEP:NRC:1065, dated July 8, 1988, we provided details of our investigation of the concerns discussed in this Bulletin. It was found that the pump-to-pump interaction concern only applies to our RHR pumps. Short term modifications were not necessary based on the fact that the average performance difference between the two pumps on each unit is less than the shutoff head required to deadhead the weaker RHR pump.

The proposed long-term corrective action is to normally operate with the RHR cross-tie valves closed. This would make the miniflow circuits for each RHR pump independent, thereby removing the potential for deadheading the weaker pump. The closure of the RHR cross-tie valves would mean, however, that one RHR pump could inject into only two loops rather than all four loops. This operating configuration required the NRC to review and approve our analysis for two-loop injection. The SER approving this analysis was received on February 8, 1989. We interpret the approval of our two-loop injection analysis to mean we are allowed to close the RHR cross-tie valves for normal operations.

The SER approves the closure of either the SI cross-tie valves or the RHR cross-tie valves but not both at the same time. When the SI cross-tie valves need to be closed for testing or maintenance, the RHR cross-tie valves would be opened for that period of time. The Operation Department will be responsible for protecting the RHR pumps in this situation when deadheading is possible.

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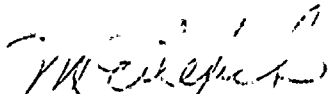
Dr. T. E. Murley

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AEP:NRC:1065A

This letter is submitted pursuant to 10 CFR 50.54(f) and, as such, an oath of affirmation is enclosed.

Sincerely,



M. P. Alexich
Vice President

MPA/eh

cc: D. H. Williams, Jr.
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
G. Bruchmann
A. B. Davis - Region III
NRC Resident Inspector - Bridgman

STATE OF OHIO)
COUNTY OF FRANKLIN)

Milton P. Alexich, being duly sworn, deposes and says that he is the Vice President of licensee Indiana Michigan Power Company, that he has read the forgoing Response to Bulletin 88-04, "Potential Safety-Related Pump Loss," and knows the contents thereof; and that said contents are true to the best of his knowledge and belief.

M. Alexich

Subscribed and sworn to before me this 3d
day of March, 1989.

Barbara Ann Belville
NOTARY PUBLIC

BARBARA ANN BELVILLE
ATTORNEY AT LAW
NOTARY PUBLIC - STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE.
SECTION 147.03 R. C.