

APR 21 1992

Docket No. 50-315
Docket No. 50-316

Indiana Michigan Power Company
ATTN: Mr. E. E. Fitzpatrick
Vice President
Nuclear Operations Division
1 Riverside Plaza
Columbus, OH 43216

Dear Mr. Fitzpatrick:

This refers to the special electrical distribution system functional inspection (EDSFI) conducted by Mr. Rolf A. Westberg and others of this office on February 3 through March 6, 1992. The inspection evaluated activities at the D. C. Cook Nuclear Power Plant, Units 1 and 2, authorized by NRC Operating License Nos. DPR-58 and DPR-74. We discussed our inspection findings with you and members of your staff at the exit interview on March 6, 1992.

The enclosed copy of our inspection report identifies areas examined during the inspection. The team assessed the design, implementation, and engineering technical support relative to the electrical distribution system. The inspection consisted of a selective review of design calculations, relevant procedures, representative records, installed equipment, and interviews with engineering and technical support staff.

The team considered the design and operation of the electrical distribution system at D. C. Cook to be acceptable. However, the team identified several weaknesses and vulnerabilities. Examples included errors in recent design calculations; lack of design basis information relative to equipment ratings and relay settings; lack of protection on the 120Vac control circuits; and battery room temperature fluctuations. With respect to design control, which has been identified as a problem area in inspections over the past several years, the team saw improvement. However, design control deficiencies in recent work identified by the team indicate that continued management attention is warranted in this area.

Several strengths were identified. Most significant were an experienced and competent engineering staff; strong capacity and capability of off-site power sources; well defined engineering guidelines for cable sizing and voltage drop calculations; and the training program for system and project engineers. We view your Design Basis Documentation Reconstitution Program to be a very significant effort since a number of the weaknesses noted by the team involved missing or incomplete design basis documentation.

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

ORIGINAL SIGNED BY ROBERT J. MILLER

H. J. Miller, Director
Division of Reactor Safety

Enclosures:

- 1. Inspection Report Nos.
50-315/92003(DRS);
50-316/92003(DRS)
- 2. Appendix A - Personnel
Contacted
- 3. Appendix B - Requests
for Information

cc w/enclosure:

- A. A. Blind, Plant Manager
DCD/DCB (RIDS)
OC/LFDCB
Resident Inspector, RIII
- James R. Padgett, Michigan Public
Service Commission
EIS Coordinator, USEPA
Region 5 Office
Michigan Department of
Public Health
- D. C. Cook, LPM, NRR
- W. Hodges, RI
- J. Durr, RI
- A. Gibson, RII
- C. Julian, RII
- S. Collins, RIV
- T. Steka, RIV
- R. Zimmerman, RV
- L. Miller, RV

RIII <i>mw</i> <i>KS</i> Westberg/lc 4/10/92	RIII <i>aw</i> <i>GT-SB</i> Burgess 4/16/92	RIII <i>AM</i> Gardner 4/10/92	RIII <i>J</i> Jorgensen 4/10/92	RIII <i>Ring</i> Ring 4/14/92	RIII Martin 4/ /92	RIII Miller 4/ /92
<i>N</i> Nessler 4/10/92	<i>aw</i> <i>on w.s.</i> Scott 4/10/92					

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- E. Imbro, NRR

RIII	RIII	RIII	RIII	RIII	RIII	RIII
[-----	SEE PREVIOUS	CONCURRENCE	PAGE	-----]		
Westberg/lc	Burgess	Gardner	Jorgensen	Ring	Martin	Miller
4/ /92	4/ /92	4/ /92	4/ /92	4/ /92	4/ /92	4/ /92
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Niesler	Scott					
4/ /92	4/ /92					



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Various commitments were made as documented in the enclosed report to address the concerns of the inspection team. In addition, a number of unresolved and open items are identified in the report. These items and commitments will be reviewed during a follow up inspection.

No violations of NRC requirements were identified during the course of this inspection.

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We will gladly discuss any questions you have concerning this inspection.

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See attached distribution

RIII	RIII	RIII	RIII	RIII	RIII	RIII
[-----	SEE PREVIOUS	CONCURREN	PAGE	-----]		
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Distribution

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