

MAR 1 1990

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

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

Gentlemen:

This refers to the special maintenance team inspection conducted by Mr. Z. Falevits and others of this office on December 4 through 8, and December 18 through 22, 1989. This inspection covered activities at the Donald C. Cook Nuclear Plant, Units 1 and 2, as authorized by NRC Operating Licenses No. DPR-58 and DPR-74. The inspection findings were discussed with Mr. D. H. Williams, Jr., you and others of your staff at the conclusion of the inspection on January 18, 1990.

The inspection was conducted to assess and evaluate your support and implementation of maintenance to assure that plant structures, systems, and components reliably perform on demand. Various activities were evaluated to determine if maintenance was accomplished, effective, and adequately assessed by your own quality verification process.

The enclosed copy of our inspection report identifies specific areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel. In an attempt to focus on those activities that are most risk significant, insights were used from the Donald C. Cook Nuclear Plant Probabilistic Risk Assessment Study were used to select systems and components important to safety.

Overall, the inspection team concluded that maintenance was satisfactorily performed at the Donald C. Cook Nuclear Plant; however, based on the deficiencies identified, significant improvements seem warranted in your maintenance program and implementation of it. Section 3.0 of the inspection report provides a synopsis of the effectiveness of your maintenance program.

The most significant weaknesses identified were: (1) lack of or ineffective action to correct numerous self identified maintenance problems identified in February 1988, many of which were identified by the team during this inspection; (2) an ineffective preventive maintenance program that resulted, for example, in failures of 4kV circuit breakers; (3) an extensive backlog of non-outage corrective maintenance job orders partly caused by lack of integrated planning and scheduling methodology; (4) poor material condition especially as evidenced by the high number of oil, steam, and water leaks; (5) inadequate trending, root cause analysis and action to correct, for example, numerous leaking safety relief valves; and (6) in several instances procedures were not followed, were poor or did not exist especially in the balance of plant area.

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Your performance in response to the self identified problems is considered a significant weakness. In addition to responding to the violations that are described below, we request that you provide us a written response describing your corrective actions to address the weaknesses discussed above.

During this inspection, certain of your activities appeared to be in violation of NRC requirements, as specified in the enclosed Notice. A written response is required. In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosures and your response to this letter will be placed in the NRC Public Document Room.

The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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

Sincerely,

[Faint signature]

H. J. Miller, Director
Division of Reactor Safety

Enclosures:

- 1. Notice of Violation
- 2. Inspection Report No.
50-315/89031; 50-316/89031

cc w/enclosure:

A. A. Blind, Plant Manager
DCD/DCB (RIDS)
Licensing Fee Management Branch
Resident Inspector, RIII
James R. Padgett
EIS Coordinator, USEPA
Region 5 Office
Michigan Department of
Public Health
Commissioner Curtiss, OCM/JC
K. Hart, NRR/LPEB
Director/Division of Reactor
Safety, RI, RII, RIV, RV

RIII
[Signature]
Falevits/lc
2/28/90

RIII
[Signature]
Jablonski
2/28/90
yes

RIII
[Signature]
Cooper
3/1/90

YES
RIII
[Signature]
Burgess
2/ /90

RIII
[Signature]
Greger
3/1

RIII
[Signature]
Martin
3/1/90

RIII
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Miller
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