

Indiana Michigan
Power Company
500 Circle Drive
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April 24, 2003

AEP.NRC:3520
10 CFR 50.90

Docket Nos. 50-315
50-316

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
CONTAINMENT STRUCTURE CONFORMANCE TO DESIGN AND
LICENSING BASIS REQUIREMENTS

- References:
1. Letter from S. A. Greenlee, Indiana Michigan Power Company, to Nuclear Regulatory Commission Document Control Desk, "Donald C. Cook Nuclear Plant Units 1 and 2, "Response To Nuclear Regulatory Commission Request For Additional Information Regarding Containment Structure Conformance To Design Basis Requirements (TAC Nos. MB3603 and MB3 604)," submittal AEP:NRC:2520, dated July 16, 2002
 2. Letter from Scot A. Greenlee, Indiana Michigan Power Company, to Nuclear Regulatory Commission Document Control Desk, "Donald C. Cook Nuclear Plant Units 1 and 2, "Supplement To Nuclear Regulatory Commission Request For Additional Information Regarding Containment Structure Conformance To Design Basis Requirements (TAC Nos. MB3603 and MB3604)," submittal AEP:NRC:2520-01, dated August 23, 2002
 3. Letter from John F. Stang, Nuclear Regulatory Commission, to A. Christopher Bakken, III, Indiana Michigan Power Company, "Donald C. Cook Nuclear Plant, Units 1 and 2 – Regarding Containment Structure Conformance to Design and Licensing Basis Requirements," dated March 21, 2003

In References 1 and 2, Indiana Michigan Power Company (I&M), provided the Nuclear Regulatory Commission (NRC) with information regarding the restoration of the Donald C. Cook Nuclear Plant containment structures

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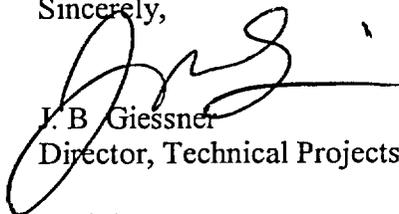
to their original design and licensing basis requirements. In Reference 1, I&M noted that the structural calculations for the control rod drive missile shields (missile shields) for both Unit 1 and Unit 2 required reliance on certified material test reports for reinforcing bar strength in lieu of specified yield strength to achieve the required structural design capacity.

The NRC, in Reference 3, stated that, except for the missile shields, I&M had used acceptable methods and appropriate assumptions and design parameters to restore the original design and licensing basis requirements and margins to the containment structural components. However, NRC stated that I&M's use of actual material properties rather than specified code properties for the evaluation of the acceptability of the missile shields was not an acceptable method, and the NRC requested that I&M provide a schedule for the corrective actions to be taken to restore the original missile shields' design and licensing basis margins and requirements.

I&M's corrective action will be to request a license amendment to allow the use of missile shield reinforcing bar strength based on material test data. The license amendment request will be submitted by November 14, 2003.

The attachment to this letter provides the commitment made by I&M in this letter.

Sincerely,



J. B. Giessner
Director, Technical Projects

RV/rdw

Attachment: Regulatory Commitments

- c. H. K. Chernoff, NRC Washington, DC
- K. D. Curry, Ft. Wayne AEP, w/o attachment
- J. E. Dyer, NRC Region III
- J. T. King, MPSC, w/o attachment
- MDEQ – DW & RPD, w/o attachment
- NRC Resident Inspector
- J. F. Stang, Jr., NRC Washington, DC

bc: D. C. Baker
A. C. Bakken III, w/o attachment
G. E. Carlson
M. J. Finissi
J. B. Giessner
D. W. Jenkins, w/o attachment
J. A. Kobyra, w/o attachment
B. A. McIntyre, w/o attachment
J. E. Newmiller
J. E. Pollock, w/o attachment
D. J. Poupard
M. K. Scarpello, w/o attachment
P. G. Schoepf/S. Chakrabarti
T. K. Woods, w/o attachment

ATTACHMENT TO AEP:NRC:3520

REGULATORY COMMITMENTS

The following table identifies those actions committed to by Indiana Michigan Power Company (I&M) in this document. Any other actions discussed in this submittal represent intended or planned actions by I&M. They are described to the Nuclear Regulatory Commission (NRC) for the NRC's information and are not regulatory commitments.

Commitment	Date
I&M will request a license amendment to allow the use of missile shield reinforcing bar strength based on material test data.	November 14, 2003