



A unit of American Electric Power

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
IndianaMichiganPower.com

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AEP-NRC-2012-101
10 CFR 50.90

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
Response to Second-Round Request for Additional Information Item 54.b, and Submittal of Revised
Tables Regarding the Application for Amendment to Transition to National Fire Protection
Association Standard 805 (TAC Nos. ME6629 and ME6630)

This letter provides Indiana Michigan Power Company's (I&M's) response to the remaining question from the second round of U. S. Nuclear Regulatory Commission (NRC) requests for additional information (RAIs) regarding a proposed license amendment to transition the Donald C. Cook Nuclear Plant (CNP), Units 1 and 2, to an National Fire Protection Association Standard 805 (NFPA 805) based fire protection program.

Documents referenced in this transmittal letter are identified in Enclosure 2. By Reference 1 and 2, I&M proposed to amend CNP Units 1 and 2 Facility Operating Licenses DPR-58 and DPR-74 to adopt a new fire protection program based on NFPA 805, in accordance with 10 CFR 50.48(a) and (c). Reference 1, Enclosure 2, hereafter referred to as the Transition Report, provided information associated with the CNP transition to NFPA 805. By References 3 and 4, the NRC transmitted the first round of RAIs regarding the proposed amendment. References 5, 6, and 7 transmitted I&M's responses to the Reference 3 and 4 RAIs. By Reference 8, the NRC transmitted a second round of RAIs. Reference 9 provided I&M's responses to the Reference 8 second-round RAIs, except for RAI-54.b. Reference 8 and 9 documented I&M's intention to provide the response to RAI-54.b no later than November 9, 2012. This letter provides I&M's response to RAI-54.b.

Reference 9 also documented I&M's intention to provide two revised tables to replace tables that were included in the Transition Report provided in the original amendment request (Reference 1). The first table, Table B-1, "Transition of Fundamental Fire Protection Program and Design Elements (NFPA 805, Chapter 3)," has been revised to incorporate changes identified in Reference 9 and changes resulting from responses to the first round of RAIs, along with the necessary re-pagination.

~~Security-Related Information – Withhold From Public Disclosure Under 10 CFR 2.390.
Enclosures 3 and 5 to this letter contain security-related information.
Upon removal of Enclosures 3 and 5, this letter and other enclosures are uncontrolled.~~

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The second table, Table W2, "Fire Initiating Event Scenarios Contributing More than 1% of the Calculated Fire Risk for Unit 2," has been revised to correct a discrepancy in which risk related values in the three right columns of the table were inadvertently transposed.

Enclosure 1 to this letter provides an affirmation statement. Enclosure 2 identifies documents referenced in this letter and Enclosure 3. Enclosure 3 provides I&M's response to Reference 8, RAI-54.b. Enclosure 4 provides a revised Table B-1. Enclosure 5 provides a revised Table W2.

Copies of this letter and its enclosures are being transmitted to the Michigan Public Service Commission and Michigan Department of Environmental Quality, in accordance with the requirements of 10 CFR 50.91. This letter contains no new or modified regulatory commitments. Should you have any questions regarding this proposed amendment, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager, at (269) 466-2649.

Sincerely,



Michael H. Carlson
Site Support Services Vice President

JRW/kmh

Enclosures:

1. Affirmation.
2. Identification of Documents Referenced in this Letter.
3. Response to RAI-54.b.
4. Revised Table B-1, "Transition of Fundamental Fire Protection Program and Design Elements (NFPA 805, Chapter 3)."
5. Revised Table W2, "Fire Initiating Event Scenarios Contributing More than 1% of the Calculated Fire Risk for Unit 2."

c: C. A. Casto, NRC Region III
J. T. King, MPSC
S. M. Krawec, AEP Ft. Wayne, w/o enclosures
MDEQ – RMD/RPS
NRC Resident Inspector
T. J. Wengert, NRC Washington, DC