



A unit of American Electric Power

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

December 8, 2017

AEP-NRC-2017-56
10 CFR 50.90
10 CFR 50, Appendix E

Docket Nos.: 50-315
50-316

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

Donald C. Cook Nuclear Plant Unit 1 and Unit 2
Response to Request for Additional Information Regarding the License Amendment
Request to Revise Emergency Action Levels

References:

1. Letter from Q. S. Lies, Indiana Michigan Power Company (I&M), to U. S. Nuclear Regulatory Commission (NRC), "Donald C. Cook Nuclear Plant, Unit 1 and Unit 2, License Amendment Request to Revise Emergency Action Levels," dated May 23, 2017. Agency wide Documents Access and Management System Accession (ADAMS) No. ML17146A073.
2. Email from J. Rankin, NRC, to H. L. Kish, I&M, Donald C. Cook Nuclear Plant -Requests For Additional Information - License Amendment Request - Emergency Action Level Scheme Change," dated October 25, 2017. ADAMS Accession No. ML17298C053.

This letter provides Indiana Michigan Power Company's (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, response to the Request for Additional Information (RAI) by the Nuclear Regulatory Commission (NRC) regarding a License Amendment Request (LAR) to revise Emergency Action Levels (EALs).

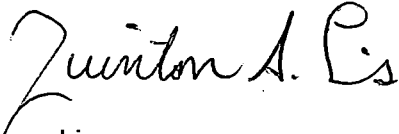
By Reference 1, I&M submitted a request to revise the CNP EALs. By Reference 2, the NRC transmitted an RAI regarding the LAR submitted by I&M in Reference 1. A telephone conference was held between NRC staff and I&M on October 24, 2017, to clarify the information requested.

Enclosure 1 to this letter provides an affirmation statement. Enclosure 2 to this letter provides I&M's response to the RAI contained in Reference 2. Enclosure 3 to this letter provides a clean copy of the revised EAL Technical Basis Manual (Revision 0). Copies of this letter 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.

AX45
NRR

There are no new regulatory commitments made in this letter. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager, at (269) 466-2649.

Sincerely,



Q. Shane Lies
Site Vice President

KMH/ml

Enclosures:

1. Affirmation
2. Response to Request for Additional Information Regarding the License Amendment
Request to Revise Emergency Action Levels
3. EAL Technical Basis Manual (Revision 0)

c: R. J. Ancona, MPSC
MDEQ – RMD/RPS
NRC Resident Inspector
C. D. Pederson, NRC, Region III
J. K. Rankin, NRC, Washington, D.C.
A. J. Williamson, AEP Ft. Wayne, w/o enclosures

Enclosure 1 to AEP-NRC-2017-56

AFFIRMATION

I, Q. Shane Lies, being duly sworn, state that I am the Site Vice President of Indiana Michigan Power Company (I&M), that I am authorized to sign and file this request with the U. S. Nuclear Regulatory Commission on behalf of I&M, and that the statements made and the matters set forth herein pertaining to I&M are true and correct to the best of my knowledge, information, and belief.

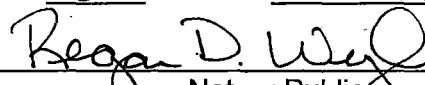
Indiana Michigan Power Company



Q. Shane Lies
Site Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 8th DAY OF December, 2017



Notary Public

My Commission Expires 01/21/2018