

July 31, 2012

Mr. Lawrence J. Weber  
Senior Vice President and  
Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

SUBJECT: RESPONSE TO ORDER FOR IMPLEMENTATION OF ADDITIONAL SECURITY  
MEASURES AND FINGERPRINTING FOR UNESCORTED ACCESS FOR D.C.  
COOK NUCLEAR PLANT INDEPENDENT SPENT FUEL STORAGE  
INSTALLATION

Dear Mr. Weber:

On April 6, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued an Order (EA-2011-039) that modified the current license for the D.C. Cook Nuclear Plant Independent Spent Fuel Storage Installation (ISFSI). The Order required compliance with additional security measures (ASMs) for physical protection and access authorization and fingerprinting at ISFSIs. On April 26, 2011, Indiana Michigan Power Company (I&M) submitted its response to the Order.

In the April 26, 2011, response (AEP-NRC-2011-33), I&M stated that it would demonstrate ability to comply with the Order by March 1, 2012. Per letter from I&M to the NRC dated February 24, 2012 (AEP-NRC-2012-10), the compliance date was changed to March 25, 2012, since the spent fuel loading campaign was also changed to "not earlier than" June 23, 2012. On March 26, 2012 (AEP-NRC-2012-18), I&M submitted a notification that the spent fuel loading schedule had been delayed to on or after June 23, 2012.

Based on our review, the NRC staff finds that your responses to the Order are acceptable. The NRC has determined that you have effectively implemented the ASMs through on-site inspection (IR 07200072/2012002). If you have any questions about this letter, please call me at 301-492-3290.

Sincerely,

**/RA/**

Norma Garcia Santos, Project Manager  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-72  
cc: Distribution via ListServ

Mr. Lawrence J. Weber  
Senior Vice President and  
Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

SUBJECT: RESPONSE TO ORDER FOR IMPLEMENTATION OF ADDITIONAL SECURITY  
MEASURES AND FINGERPRINTING FOR UNESCORTED ACCESS FOR D.C. COOK  
NUCLEAR PLANT INDEPENDENT SPENT FUEL STORAGE INSTALLATION

Dear Mr. Weber:

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