

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

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