

September 6, 2012

AEP NRC 2012-73  
10 CFR 72.212

Docket Nos.: 50-315  
50-316  
72-072

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Director, Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2  
INDEPENDENT SPENT FUEL STORAGE INSTALLATION  
REGISTRATION OF DRY SPENT FUEL STORAGE CASK

Pursuant to 10 CFR 72.212(b)(2) Indiana Michigan Power Company (I&M), the Licensee for Donald C. Cook Nuclear Plant Units 1 and 2, is providing the following registration information for the use of dry spent fuel storage casks to store used fuel under I&M's 10 CFR 72.210 General License at the Donald C. Cook Nuclear Power Plant Independent Spent Fuel Storage Installation (ISFSI).

Licensee Name: Indiana Michigan Power Company  
Licensee Address: One Cook Place, Bridgman, MI 49106  
Reactor License No.: DPR-58 and DPR-74  
Reactor Docket Nos.: 50-315 and 50-316  
ISFSI Docket No.: 72-072

The following casks were placed in service on the dates indicated below:

Identification Nos.: HI-STORM Overpack Serial No. 432  
Multi-Purpose Canister (MPC) Type 32, Serial No. 141  
Cask Certificate.: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service.: August 11, 2012

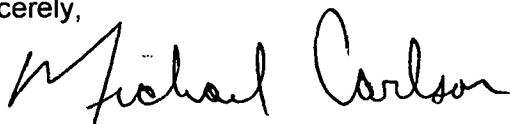
Identification Nos.: HI-STORM Overpack Serial No. 433  
Multi-Purpose Canister (MPC) Type 32, Serial No. 134  
Cask Certificate.: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service.: August 18, 2012

NM5526  
NM5524

Identification Nos.: HI-STORM Overpack Serial No. 434  
Multi-Purpose Canister (MPC) Type 32, Serial No. 139  
Cask Certificate.: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service.: August 30, 2012

This letter contains no new or revised regulatory commitments. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager at (269) 466-2649.

Sincerely,



Michael H. Carlson  
Site Support Services Vice President

KMH/jmr

- c: A. T. Boland, Director Division of Nuclear Materials Safety, NRC Region III  
R. A. Edwards, III, NRC Region III  
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NRC Resident Inspector  
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