



**INDIANA  
MICHIGAN  
POWER®**

A unit of American Electric Power

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

October 31, 2012

AEP-NRC-2012-96  
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.

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. 562  
Multi-Purpose Canister (MPC) Type 32, Serial No. 140  
Cask Certificate: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service: October 6, 2012

Identification Nos.: HI-STORM Overpack Serial No. 441  
Multi-Purpose Canister (MPC) Type 32, Serial No. 206  
Cask Certificate: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service: October 13, 2012

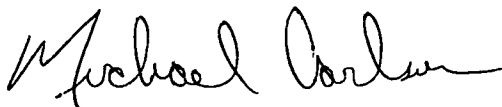
NM5524  
NM5526

Identification Nos.: HI-STORM Overpack Serial No. 564  
Multi-Purpose Canister (MPC) Type 32, Serial No. 143  
Cask Certificate: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service: October 20, 2012

Identification Nos.: HI-STORM Overpack Serial No. 440  
Multi-Purpose Canister (MPC) Type 32, Serial No. 204  
Cask Certificate: No.: 72-1014, Amendment No. 5  
Cask Model No.: HI-STORM 100s, Version B  
Date in Service: October 27, 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/jen

- c: A. T. Boland, Director Division of Nuclear Materials Safety, NRC Region III  
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MDEQ – RMD/RPS  
NRC Resident Inspector  
T. J. Wengert, NRC Washington, DC