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March 28, 2008

AEP:NRC:8691-01
10 CFR 50.4

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JANUARY 1, 2007, THROUGH DECEMBER 31, 2007

In accordance with Technical Specification 5.6.3, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, hereby submits the Annual Radioactive Effluent Release Report. This report covers the period January 1, 2007, through December 31, 2007.

The calculations in this report were performed in accordance with the CNP Offsite Dose Calculation Manual (ODCM). There has been one revision made to the ODCM during this reporting period.

This letter contains no new or revised commitments. Should you have any questions, please contact Mr. James M. Petro, Jr., Regulatory Affairs Manager, at (269) 466-2491.

Sincerely,

Mark A. Peifer
Site Vice President

RSP/sla

Attachment

TE48
A009
NRR

- c: J. L. Caldwell, NRC Region III
- K. D. Curry, AEP Ft. Wayne, w/o attachment
- J. T. King, MPSC, w/o attachment
- MDEQ – WHMD/RPMWS
- NRC Resident Inspector
- P. S. Tam, NRC Washington, DC