April 24, 2007

Mr. Mano K. Nazar
Senior Vice President and
Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

SUBJECT: D. C. COOK NUCLEAR PLANT, UNITS 1 AND 2 - RESPONSE TO GENERIC LETTER (GL) 2006-02, "GRID RELIABILITY AND THE IMPACT ON PLANT RISK AND THE OPERABILITY OF OFFSITE POWER" (TAC NOS. MD 0971 AND MD0972)

Dear Mr. Nazar:

On February 1, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued GL 2006-02 (Accession No. ML060180352) to all holders of operating licenses for nuclear power reactors except those which have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. GL 2006-02 notified licensees of the NRC staff's need for information in four areas as follows:

(1) Use of protocols between the nuclear power plant (NPP) and the transmission system operator (TSO), independent system operator (ISO), or reliability coordinator/authority (RC/RA) and the use of transmission load flow analysis tools (analysis tools) by TSOs to assist NPPs in monitoring grid conditions to determine the operability of offsite power systems under plant technical specifications. [The TSO, ISO, or RA/RC is responsible for preserving the reliability of the local transmission system; in GL 2006-02, the term TSO is used to denote these entities];

(2) Use of NPP/TSO protocols and analysis tools by TSOs to assist NPPs in monitoring grid conditions for consideration in maintenance risk assessments;

(3) Offsite power restoration procedures in accordance with Section 2 of NRC Regulatory Guide (RG) 1.155, "Station Blackout;" and

(4) Loss of offsite power caused by grid failures at a frequency equal to or greater than once in 20 site-years in accordance with RG 1.155.

Subsequent to issuance of GL 2006-02, the NRC issued a Request For Additional Information (RAI) (Accession No. ML063380308) regarding the resolution of GL 2006-02 to 63 of 65 holders of operating licenses for nuclear power reactors. The RAI requested licensees respond to questions in the following areas:

(a) Switchyard minimum voltage;

(b) Loss of real-time contingency analysis (RTCA) capability;

(c) Verification of RTCA predicted post-trip voltage;

(d) Identification of applicable single contingencies;

(e) Seasonal variation in grid stress (reliability and loss-of-offsite power (LOOP) probability;

(f) Interface with transmission system operator during extended plant maintenance.

By letter(s) dated March 31, 2006 (Accession No. ML061000316) and January 31, 2007 (Accession No. ML070370318) you responded to GL 2006-02 and the subsequent RAI. Based on the information you provided, the NRC staff concluded that the D. C. Cook units have maintained compliance with NRC regulatory requirements governing electric power sources and associated personnel training. Accordingly, the NRC staff considers your response to GL 2006-02 complete.

If you have any questions, please contact me 301-415-1451.

Sincerely,

/RA/

Peter S. Tam, Senior Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

cc: See next page

(b) Loss of real-time contingency analysis (RTCA) capability;

(c) Verification of RTCA predicted post-trip voltage;

(d) Identification of applicable single contingencies;

(e) Seasonal variation in grid stress (reliability and loss-of-offsite power probability);

(f) Interface with transmission system operator during extended plant maintenance.

By letter(s) dated March 31, 2006 (Accession No. ML061000316) and January 31, 2007 (Accession No. ML070370318) you responded to GL 2006-02 and the subsequent RAI. Based on the information you provided, the NRC staff concluded that the D. C. Cook units have maintained compliance with NRC regulatory requirements governing electric power sources and associated personnel training. Accordingly, the NRC staff considers your response to GL 2006-02 complete.

If you have any questions, please contact me 301-415-1451.

Sincerely,

/RA/

Peter S. Tam, Senior Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

cc: See next page

DISTRIBUTION:

PUBLIC	CLipa, RIII	RidsOgcRp	BKemker
RidsAcrsAcnwMailCenter	LPL3-1R/F	RidsNrrLATHarris	RidsNrrPMPTam
RidsNrrDorlLple	RidsRgn3MailCenter	JRobinson	
JLennartz			

ACCESSION NUMBER: **ML071070009**

OFFICE	LPL3-1\PM	LPL3-1/LA	EEEB\BC	LPL3-1/BC
NAME	PTam	THarris	GWilson	LRaghavan
DATE	4/19/07	4/18/07	4/23/07	4/24/07

OFFICIAL RECORD COPY

cc:

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
Suite 210
2443 Warrenville Road
Lisle, IL 60532-4351

Attorney General
Department of Attorney General
525 West Ottawa Street
Lansing, MI 48913

Township Supervisor
Lake Township Hall
P.O. Box 818
Bridgman, MI 49106

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
7700 Red Arrow Highway
Stevensville, MI 49127

Kimberly Harshaw, Esquire
Indiana Michigan Power Company
One Cook Place
Bridgman, MI 49106

Mayor, City of Bridgman
P.O. Box 366
Bridgman, MI 49106

Special Assistant to the Governor
Room 1 - State Capitol
Lansing, MI 48909

Susan D. Simpson
Regulatory Affairs Manager
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

Michigan Department of Environmental Quality
Waste and Hazardous Materials Div.
Hazardous Waste & Radiological Protection Section
Nuclear Facilities Unit
Constitution Hall, Lower-Level North
525 West Allegan Street
P. O. Box 30241
Lansing, MI 48909-7741

Lawrence J. Weber, Plant Manager
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

Mark A. Peifer, Site Vice President
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106