

November 28, 2007

Mr. Michael W. Rencheck
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 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING PROPOSED AMENDMENT ON EMERGENCY
DIESEL GENERATOR STEADY STATE FREQUENCY (TAC NOS. MD5899
AND MD5900)

Dear Mr. Rencheck:

In a letter dated June 27, 2007, Indiana Michigan Power Company applied for an amendment regarding emergency diesel generator maximum steady state frequency. The Nuclear Regulatory Commission (NRC) staff reviewed the information transmitted by that letter and has generated draft questions, which had been e-mailed to your staff (Accession No. ML072890047) on October 15, 2007. The NRC staff discussed the draft questions with your staff in a telephone conference on November 14, 2007. As a result of that discussion and subsequent internal deliberation, the NRC staff revised draft Questions 4 and 5, and finalized the enclosed Request for Additional Information (RAI).

Please respond within 30 days of the date of this letter. Feel free to contact me if you need clarification of this RAI.

Sincerely,

/RA by MChawla/

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

Enclosure:
As stated

cc: See next page

November 28, 2007

Mr. Michael W. Rencheck
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 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING PROPOSED AMENDMENT ON EMERGENCY
DIESEL GENERATOR STEADY STATE FREQUENCY (TAC NOS. MD5899
AND MD5900)

Dear Mr. Rencheck:

In a letter dated June 27, 2007, Indiana Michigan Power Company applied for an amendment regarding emergency diesel generator maximum steady state frequency. The Nuclear Regulatory Commission (NRC) staff reviewed the information transmitted by that letter and has generated draft questions, which had been e-mailed to your staff (Accession No. ML072890047) on October 15, 2007. The NRC staff discussed the draft questions with your staff in a telephone conference on November 14, 2007. As a result of that discussion and subsequent internal deliberation, the NRC staff revised draft Questions 4 and 5, and finalized the enclosed Request for Additional Information (RAI).

Please respond within 30 days of the date of this letter. Feel free to contact me if you need clarification of this RAI.

Sincerely,

/RA by MChawla/

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

Enclosure:
As stated

cc: See next page

DISTRIBUTION:

PUBLIC	CLipa, RIII	RidsOgcRp	RidsNrrDorIDpr
BKemker	RidsAcrsAcnwMailCenter	LPL3-1R/F	
RidsNrrLATHarris	RidsNrrPMPTam	RidsNrrDorILpl3-1	
RidsRgn3MailCenter	AKlett	VGoel	

ACCESSION NUMBER: **ML073190145**

OFFICE	LPL3-1\PM	LPL3-1/LA	EEEEB/BC	LPL3-1/BC (A)
NAME	PTam/MChawla for	THarris	GWilson	CMunson
DATE	11/ 28 /07	11/20 /07	11/ 28 /07	11/ 28 /07

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

D.C. COOK NUCLEAR PLANT, UNITS 1 AND 2

PROPOSED AMENDMENT ON

DIESEL GENERATOR MAXIMUM STEADY STATE FREQUENCY

- (1) Clarify how the panel instrument errors are accounted for in the proposed emergency diesel generator (EDG) frequency values indicated in the Technical Specifications (TS).
- (2) Provide the EDG manufacturer's various ratings for the EDGs, such as the continuous and the short-time ratings.
- (3) State which Nuclear Regulatory Commission (NRC) Regulatory Guides, Institute of Electrical and Electronics Engineers Standards, or other guidance documents (and the revision numbers of those documents) to which D.C. Cook is committed for the purposes of EDG design and testing.
- (4) Provide a summary of the latest EDG sizing calculation, including a copy of the purpose, assumptions, and conclusions section of the calculation.
- (5) The NRC staff has identified an issue with D.C. Cook's EDG voltage values in TS 3.8.1. The voltage values indicated in the surveillance requirements (SRs) of TS 3.8.1 are lower than the minimum degraded voltage function allowable value indicated in TS SR 3.3.5.3, which is not acceptable (see NRC Information Notice 2007-09, "Equipment Operability Under Degraded Voltage Conditions," ADAMS Accession No. ML070390066). Since the voltage values are contained within the same sentences in the TS that are affected by the proposed amendment to change the frequency values, the NRC staff cannot approve the amendment request knowing that there is a deficiency with the voltage values. Please propose how D.C. Cook plans to proceed regarding this issue and its effects on the proposed amendment.

Donald C. Cook Nuclear Plant, Units 1 and 2

cc:

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

Joseph Jensen, Site Vice President
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106