

December 16, 2004

LICENSEE: Indiana Michigan Power Company

FACILITY: Donald C. Cook Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF MEETING ON DECEMBER 8, 2004, TO DISCUSS THE  
DEGRADED VOLTAGE PROTECTION DESIGN AT DONALD C. COOK  
NUCLEAR PLANT (TAC NOS. MC3428 AND MC3429)

On December 8, 2004, members of the U.S. Nuclear Regulatory Commission (NRC) staff met with Indiana Michigan Power Company (IM, the licensee), representatives at NRC Headquarters, Two White Flint North, 11545 Rockville Pike, Rockville, MD. The meeting was also audio-conferenced with licensee and NRC staff at Donald C. Cook Nuclear Plant (CNP). The meeting was a Category 1 public meeting; however, no members of the public were present.

The purpose of the meeting was to allow the licensee to present their answers to questions posed by the NRC staff in a letter dated November 4, 2004 (ML042920158). During a Region III inspection last year, inspectors noted that automatic degraded voltage protection is bypassed (1) during normal operation and (2) during the first 30 seconds of a design-basis event. The NRC staff preliminarily concluded that the degraded voltage protection design does not provide adequate safety and is not in compliance with the technical specification (TS) requirement. The NRC staff asked the licensee to address (1) how the existing degraded voltage protection at CNP adequately assures plant safety, (2) how CNP meets NRC staff position MPA B-23, and (3) how CNP is in compliance with TS 3.3.2.1.

The meeting agenda was provided with the meeting notice (ML043340305, Meeting No. 2004-0708). The licensee's presentation slides were placed in ADAMS following the meeting (ML043440089). A list of attendees is enclosed.

The licensee's presentation included information on (1) the differences between the electrical distribution system arrangement at CNP and the arrangement generally found in the industry, (2) the implications of the electrical distribution arrangement for the degraded voltage protection design, (3) the response of the electrical system to various voltage conditions on the grid, and (4) the licensee's understanding of how CNP complies with the staff position and TS requirements. The licensee and NRC staff conducted a vigorous dialogue of the issues. No regulatory decisions were made. Following the presentation, the licensee stated that they intended to provide a written response to the questions in the staff's November 4, 2004, letter, by December 10, 2004. The NRC staff thanked the licensee for their presentation and informed them that the information provided would be considered in reaching a regulatory determination.

*/RA/*

Carl F. Lyon, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

Enclosure: Attendance List

cc w/encl: See next page

The licensee's presentation included information on (1) the differences between the electrical distribution system arrangement at CNP and the arrangement generally found in the industry, (2) the implications of the electrical distribution arrangement for the degraded voltage protection design, (3) the response of the electrical system to various voltage conditions on the grid, and (4) the licensee's understanding of how CNP complies with the staff position and Technical Specification requirements. The licensee and NRC staff conducted a vigorous dialogue of the issues. No regulatory decisions were made. Following the presentation, the licensee stated that they intended to provide a written response to the questions in the staff's November 4, 2004, letter by December 10. The NRC staff thanked the licensee for their presentation and informed them that the information provided would be considered in reaching a regulatory determination.

*/RA/*

Carl F. Lyon, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

Enclosure: Attendance List

cc w/encl: See next page

DISTRIBUTION:

PUBLIC	PDIII-1 R/F	LMarsh/JLyons	JLara, RIII
FLyon	THarris	DWeaver, EDO	
WRuland	EDuncan, RIII	TMensah, NRR Comm Analyst	
MKotzalas	OGC	ACRS	
AGill	SRay	TKoshy	
LTrocine	LRaghavan	BSheron	
INetzel	RJenkins	JCalvo	

ADAMS Accession Number: ML043440087

\*Previously concurred

OFFICE	PDIII-1/PM	PDIII-1/LA	PDIII-1/SC
NAME	FLyon	THarris*	MKotzalas
DATE	12/16/04	12/16/04	12/16/04

OFFICIAL RECORD COPY

ATTENDANCE LIST  
NRC MEETING WITH INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT DEGRADED VOLTAGE PROTECTION  
DECEMBER 8, 2004

J. Zwolinski, IM  
D. Fadel, IM  
G. Kilpatrick, IM  
B. Lord, IM  
P. Schoepf, IM  
M. Scarpello, IM  
C. Fleming, Winston and Strawn  
M. Finissi (audio), IM  
J. Waters (audio), IM  
R. Jenkins, NRC  
J. Calvo, NRC  
J. Lara, NRC

A. Gill, NRC  
S. Ray, NRC  
T. Koshy, NRC  
L. Trocine, NRC  
M. Kotzalas, NRC  
L. Raghavan (part-time), NRC  
B. Sheron (part-time), NRC  
F. Lyon, NRC  
W. Ruland, NRC  
L. Marsh, NRC  
I. Netzel (audio), NRC