

# CATEGORY 1

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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316  
 AUTH. NAME                      AUTHOR AFFILIATION  
 KINGSEED, J.                    Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 BLIND, A.A.                      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIPIENT NAME                RECIPIENT AFFILIATION

SUBJECT: LER 97-003-00: on 970826, determined that unit had operated  
 outside design basis during 1996 refueling outage. Caused by  
 dual train Component Cooling Water outage. Will revise  
 appropriate procedure. W/970925 ltr.

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Indiana Michigan  
Power Company  
Cock Nuclear Plant  
One Cock Place  
Brogan, MI 49166



September 25, 1997

United States Nuclear Regulatory Commission  
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Washington, DC 20555

Operating Licenses DPR-74  
Docket No. 50-316

Document Control Manager:

In accordance with the criteria established by 10 CFR 50.73 entitled Licensee Event Report System, the following report is being submitted:

97-003-00

Sincerely,

A. A. Blind  
Site Vice President

/mbd

Attachment

c: A. B. Beach, Region III  
E. E. Fitzpatrick  
P. A. Barrett  
S. J. Brewer  
J. R. Padgett  
D. Hahn  
Records Center, INPO  
NRC Resident Inspector

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PDR ADOCK 05000316  
S PDR

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)  
Donald C. Cook Nuclear Plant - Unit 2

DOCKET NUMBER (2)  
50-316

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TITLE (4)  
Interim LER - Dual Train Component Cooling Water Outage During Unit 2 Refueling Outage Results in Condition Outside the Design Basis

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
08	26	97	97	-- 003 --	00	09	25	97	None	
									FACILITY NAME	DOCKET NUMBER

  

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)								
POWER LEVEL (10)	100	20.2201(b)		20.2203(a)(3)(i)		50.73(a)(2)(iii)		73.71(b)		
		20.2203(a)(1)		20.2203(a)(3)(ii)		50.73(a)(2)(iv)		73.71(c)		
		20.2203(a)(2)(i)		20.2203(a)(4)		50.73(a)(2)(v)		OTHER		
		20.2203(a)(2)(ii)		50.36(c)(1)		50.73(a)(2)(vii)		(Specify in		
		20.2203(a)(2)(iii)		50.36(c)(2)		50.73(a)(2)(viii)(A)		Abstract below		
		20.2203(a)(2)(iv)		50.73(a)(2)(i)		50.73(a)(2)(viii)(B)		and in Text,		
		20.2203(a)(2)(v)	X	50.73(a)(2)(ii)		50.73(a)(2)(x)		NRC Form 366A)		

LICENSEE CONTACT FOR THIS LER (12)

NAME  
Mr. Jeb Kingseed, Nuclear Safety and Analysis Manager

TELEPHONE NUMBER (Include Area Code)  
616/697-5106

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

X	YES	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
				11	17	97

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On August 26, 1997, with Unit 2 at 100 percent Rated Thermal Power, it was determined that the unit had operated outside the design basis during the Unit 2 1996 refueling outage. It was determined that this event was reportable under 10CFR50.72(b)(1)(ii)(B) as a condition outside the design basis, and an ENS notification was made at 1553 on August 26, 1997. This interim LER is being submitted under 10CFR50.73(a)(2)(ii).

A safety evaluation had been performed for the Unit 2 full core offload, assuming one train of Spent Fuel Pool (SFP) Cooling available. This safety evaluation covered the 1996 Unit 2 refueling outage schedule which included a dual train Component Cooling Water (CCW) outage. The safety review addressed the FSAR Section 9.4 attributes of the SFP dealing with time to boil events and bulk pool temperature requirements, however, failed to address FSAR Section 9.5 attributes on associated CCW cooling requirements, such as the assumption that the CCW supply to the SFP heat exchanger is from the non-accident unit.

Investigation into this event is continuing. In the interim, information concerning this condition has been made available to Engineering and Scheduling personnel. Scheduling has reviewed the outage schedule for the upcoming Unit 2 refueling outage and verified that no dual train CCW outage is planned, and the appropriate procedure is being revised to require 1 train of CCW to be operable in support of Spent Fuel Pool Cooling during Modes 5, 6 and when defueled. Evaluation of the safety consequences of this condition, and other similar conditions reported separately via ENS during the period August 8, 1997 to September 12, 1997, is ongoing. An update to this interim LER will be issued by November 17, 1997.



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