

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9710170038 DOC. DATE: 97/10/10 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 GILLESPIE, R. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 BLIND, A. A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 97-019-00: on 970911, determined that overpressure
 protection afforded by automatic closure function defeated
 w/o SE being performed. Cause indeterminate. Supplemental LER
 will be submitted by 971117. W/971017 LTR.

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Indiana Michigan
Power Company
Cock Nuclear Plant
One Cock Place
Bloomington, IN 47406



October 10, 1997

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Operating Licenses DPR-58
Docket No. 50-315

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:

97-019-00

Sincerely,

A handwritten signature in cursive script that reads "A. A. Blind".

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

9710170038 971010
PDR ADOCK 05000315
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 1DOCKET NUMBER (2)
50-315

Page 1 of 1

TITLE (4)

Interim LER - Defeat of RHR Suction Valve Interlock Results in Condition Outside 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
09	11	97	97	-- 019 --	00	10	10	97	Cook Unit 2	50-316
									FACILITY NAME	DOCKET NUMBER

OPERATING MODE (9)	5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73(a)(2)(iii) (Check one or more) (11)			
POWER LEVEL (10)	0	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 Abstract below and in Text, NRC Form 366A)
		20.2203(a)(2)(iii)	50.36(c)(2)	50.73(a)(2)(viii)(A)	
		20.2203(a)(2)(iv)	50.73(a)(2)(i)	50.73(a)(2)(viii)(B)	
	20.2203(a)(2)(v)	X 50.73(a)(2)(ii)	50.73(a)(2)(x)		

LICENSEE CONTACT FOR THIS LER (12)

NAME
Mr. Robert Gillespie, Operations SuperintendentTELEPHONE NUMBER (Include Area Code)
616/465-5901, x2535

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs

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 September 11, 1997, with Unit 1 and Unit 2 shutdown and in Mode 5, it was determined that both units had operated contrary to the design basis for the Residual Heat Removal (RHR) system piping overpressure protection as described in the FSAR. This was determined to be reportable in accordance with 10CFR50.72(b)(1)(ii)(B), as a condition outside the design basis, and an ENS notification was made at 1615 hours that day. This interim LER is being submitted under 10 CFR 50.73(a)(2)(ii)(B), as a condition that was outside the design basis of the plant.

The RHR normal cooldown lineup suction valves are interlocked through separate channels of the RCS system pressure signals to provide automatic closure of both valves whenever RCS pressure exceeds RHR design pressure. Since 1980, this interlock has been procedurally defeated after reducing RCS pressure to prevent inadvertent closure and loss of RHR suction during shutdown cooling operation. This was accomplished by opening the valves and removing electrical power from them in Mode 4. The overpressure protection afforded by the automatic closure function described in the FSAR was defeated without a safety evaluation being performed. Surveillance of this function is also required by the ECCS Technical Specifications (T/S) in Mode 4, making operation without it a violation of the T/S.

A request for amendment of T/S 4.5.2.d.1 was submitted to the Commission on September 19, 1997. The requested change will remove the surveillance requirement for the automatic closure function from the ECCS system T/S. Investigation continues into the cause of this change to the automatic closure function, without identification of the associated design bases and T/S requirements. An update to this interim LER will be issued by November 17, 1997.