

CATEGORY 1

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ACCESSION NBR: 9805050383 DOC. DATE: 98/04/27 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 WEBER, G. Indiana Michigan Power Co.
 SAMPSON, J.R. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-022-00: on 980415, interim LER - potential single failure of spray additive tank valve could result in unanalyzed condition, was determined. More detailed analysis being performed. W/980427 ltr.

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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106



April 27, 1998

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:

98-022-00

Sincerely,

J. R. Sampson
Site Vice President

/mbd

Attachment

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

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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 (MHB 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 - Potential Single Failure of Spray Additive Tank Valve Could Result in Unanalyzed Condition

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
04	15	98	98	-- 022 --	00	04	27	98	Cook - Unit 2	50-316
									FACILITY NAME	DOCKET NUMBER

OPERATING MODE (9)		5		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (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. Gary Weber, Design Bases Reconstitution Project Manager

TELEPHONE NUMBER (Include Area Code)

616/465-5901, x3900

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)

YES (If yes, complete EXPECTED SUBMISSION DATE).		NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
X						06	30	98

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

On April 15, 1998, with Units 1 and 2 in Mode 5, it was determined that both units had operated in an unanalyzed condition due to a potential for both trains of the Containment Spray (CTS) system to be rendered inoperable by a single active failure. In accordance with 10CFR50.72(b)(2)(i), "[a]ny event found while the reactor is shutdown, that, had it been found while the reactor was in operation, would have resulted in the nuclear plant, including its [principle] safety barriers, being in an unanalyzed condition that significantly compromises plant safety," an ENS notification was made.

The Spray Additive Tank (SAT) provides sodium hydroxide (NaOH) to the CTS in the event of a LOCA. A nitrogen blanket is provided to the SAT to assist in maintaining the NaOH in solution. Failure of a single train's motor control center can cause one SAT shutoff valve and one eductor shutoff valve to fail to close on a SAT low-low level indication. Should this occur, there is a potential to completely draw down the NaOH solution in the SAT and introduce nitrogen into the suction piping of the CTS pumps. This has the potential to render one and possibly both trains of CTS inoperable. Therefore, this issue is being reported under 10CFR50.73(2)(ii) as an unanalyzed condition.

A more detailed analysis is being performed to determine appropriate resolution of this issue. An update to this LER will be provided by June 30, 1998.