

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9804240105 DOC.DATE: 98/04/20 NOTARIZED: NO DOCKET #
 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH.NAME AUTHOR AFFILIATION
 FINISSI,M. Indiana Michigan Power Co.
 SAMPSON,J.R. Indiana Michigan Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-019-00:on 980320,hydrogen recombiner TS surveillance requirements 4.6.4.2.b.1 was not met.Caused by failure to meet TS surveillance requirements.Updated rept will be submitted by 980608.W/980420 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bloomington, IN 47408



April 20, 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:

98-019-00

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

9804240105 980420
PDR ADOCK 05000315
S PDR

IE221

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

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TITLE (4)
Interim LER - Hydrogen Recombiner Temperature Measurement Loop Calibration

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
03	20	98	98	-- 019 --	00	04	20	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)	X	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. Mike Finissi, Electrical Systems ManagerTELEPHONE NUMBER (Include Area Code)
616/465-5901, x2830

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)

<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE).	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			06	08	98

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

On April 7, 1998, with Units 1 & 2 in cold shutdown, during research on instrumentation uncertainty calculations, it was determined that hydrogen recombiner Technical Specification (T/S) surveillance requirement 4.6.4.2.b.1 was not met. T/S 4.6.4.2.b.1 requires a channel calibration of all recombiner instrumentation and control circuits, however the channel calibration procedure for recombiner temperature measurement circuitry directs the technician to calibrate only the control room readout device. To meet the T/S requirement, the entire instrument loop from the sensing device through the signal processor and associated wiring to the control room readout device should be calibrated. Failure to meet T/S surveillance requirements is a condition which requires a 30 day report in accordance with 10 CFR 50.73(a)(2)(i)(A), as any operation or condition prohibited by the plant's T/Ss.

In addition, hydrogen recombiner temperature is used in T/S surveillances to determine operability of the recombiners in accordance with T/S 4.6.4.2.a and 4.6.4.2.b.3. Therefore, since the recombiner temperature measurement circuitry is in question, all hydrogen recombiners are considered to be inoperable. This condition was reported via ENS on April 7, 1998 under the provisions of 10 CFR 50.72(b)(2)(i), as a condition found while both reactors were shutdown, which, had it been found while a reactor was in operation, could have resulted in the nuclear plant being in an unanalyzed condition. This LER is therefore submitted in accordance with 10CFR50.73(a)(2)(i) and 10CFR50.73(a)(2)(ii).

Hydrogen recombiner temperature is one of several indications to the operator that the recombiner is performing its function. A preliminary assessment of the safety significance for this event indicates it to be negligible. This interim report is being submitted pending further investigation, identification of the root cause, and assignment of corrective actions. An updated report will be submitted by June 8, 1998.

