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FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
AUTH.NAME AUTHOR AFFILIATION
SMITH,R. Indiana Michigan Power Co.
SAMPSON,J.R. Indiana Michigan Power Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-053-00:on 981130,discovered use of inoperable substitute subcooling margin monitor.Caused by condition existing since installation of plant process computer in 1992.Updated LER will be submitted.With 981230 ltr.

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AD

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December 30, 1998

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

Operating License 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 interim report is being submitted:

LER 315/98-053-00, "Use of Inoperable Substitute Subcooling Margin Monitor"

No commitments were identified in this submittal.

Sincerely,

John R. Sampson

J. R. Sampson
Site Vice President

/mbd
Attachment

c: J. L. Caldwell (Acting), Region III
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1/1

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NRC Form 366 (6-1998) U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO. 3150-0104 EXPIRES 06/30/2001

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), 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

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Cook Nuclear Plant Unit 1	05000-315	1 of 1

TITLE (4)

Interim LER - Use Of Inoperable Substitute Subcooling Margin Monitor

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
											DC Cook Unit 2	05000-316
11	30	1998	1998	--	053	--	00	12	30	1998	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)	000	20.2201 (b)	20.2203(a)(2)(v)	X	50.73(a)(2)(i)		50.73(a)(2)(viii)
		20.2203(a)(1)	20.2203(a)(3)(i)		50.73(a)(2)(ii)		50.73(a)(2)(x)
		20.2203(a)(2)(i)	20.2203(a)(3)(ii)		50.73(a)(2)(iii)		73.71
		20.2203(a)(2)(ii)	20.2203(a)(4)		50.73(a)(2)(iv)		OTHER
		20.2203(a)(2)(iii)	50.36(c)(1)		50.73(a)(2)(v)		Specify in Abstract below or in NRC Form 366A
		20.2203(a)(2)(iv)	50.36(c)(2)		50.73(a)(2)(vii)		

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER (Include Area Code)
Mr. Robert Smith, Nuclear Information Systems Manager	616/697-5103

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X	YES (If Yes, complete EXPECTED SUBMISSION DATE).		NO		02	16	1999

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

On November 9, 1998, plant Instrument and Control (I&C) personnel performing cross-calibration checks on core exit thermocouple indications for the Plant Process Computer (PPC) found that all points were indicating 30 to 35 degrees F too high. Investigation by plant personnel has revealed that the PPC inputs for core exit thermocouples were calibrated as linear signals as opposed to calibration to a thermocouple curve. This resulted in the erroneous PPC indication. This condition has existed since installation of the PPC in 1992.

Technical Specification (TS) 3.3.3.8, "Post-Accident Instrumentation," allows the PPC subcooling margin indication to be substituted for the TS required subcooling monitor. TS surveillance Requirement 4.3.3.8, Table 4.3-7, Item 11 requires a monthly channel check and an 18 month channel calibration on the Reactor Coolant System Subcooling Margin Monitor. In the past, the PPC subcooling margin indication has been substituted for the TS required instrumentation. No TS surveillance testing was performed on the PPC core exit thermocouple input to the PPC subcooling margin monitors prior to substituting the PPC subcooling margin indication for TS required instrumentation. On November 30, 1998, this condition was determined to be reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by the plant's Technical Specifications due to missed surveillance testing.

Investigation into this condition is continuing, and is expected to be complete by February 1, 1999. An update to this interim LER will be submitted by February 16, 1998.