

CATEGORY 1

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ACCESSION NBR: 9807140083 DOC. DATE: 98/07/06 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 PISARSKY, F. Indiana Michigan Power Co.
 SAMPSON, J. R. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-030-00: on 980504, noted that incorrect installation of containment spray heat exchanger could result in unanalyzed condition. Cause indeterminate. Licensee will perform independent verification of heat exchanger. W/980706 ltr.

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American Electric Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



July 6, 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:

98-030-00

Sincerely,

A handwritten signature in cursive script, reading 'John R. Sampson', is written over the typed name.

J. R. Sampson
Site Vice President

/mbd

Attachment

c: C. J. Paperiello (Acting), Region III
J. R. Sampson
P. A. Barrett
S. J. Brewer
R. Whale
D. Hahn
Records Center, INPO
NRC Resident Inspector

IE221

9807140083 980706
PDR ADOCK 05000315
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LICENSEE EVENT REPORT (LER)

(See reverse for required number of
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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

FACILITY NAME (1)

Cook Nuclear Plant Unit 1

DOCKET NUMBER (2)

50-315

PAGE (3)

1 of 1

TITLE (4)

Interim LER - Incorrect Installation of Containment Spray Heat Exchanger 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	
06	04	98	98	-- 030 --	00	07	06	98	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)		00	20.2201 (b)		20.2203(a)(2)(v)		50.73(a)(2)(i)		50.73(a)(2)(viii)		
			20.2203(a)(1)		20.2203(a)(3)(i)		X 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 368A		
			20.2203(a)(2)(iv)		50.36(c)(2)		50.73(a)(2)(vii)				

LICENSEE CONTACT FOR THIS LER (12)

NAME

Mr. Frank Pisarsky, Manger - Engineering Component Performance

TELEPHONE NUMBER (Include Area Code)

616/465-5901, x2607

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
	(If Yes, complete EXPECTED SUBMISSION DATE).			09	30	98

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

On June 4, 1998, with Unit 1 in Mode 5, plant personnel performing Generic Letter 89-13 ("Service Water System Problems Affecting Safety Related Systems") inspections made a preliminary determination that the West Containment Spray (CTS) heat exchanger had been installed 180 degrees from the design position. The service water inlet appears to be aligned to the outlet side of the heat exchanger, which results in the impingement plate being located on the service water outlet side. The impingement plate is designed to be located on the inlet side to prevent sand and silt from impinging on the heat exchanger tubes and causing erosion of the tubes. This condition was determined to be a potentially unanalyzed condition, and an ENS notification was made at 0850 hours EDT under 10CFR50.72(b)(2)(I). This LER is submitted in accordance with 10CFR50.73(a)(2)(ii), for an unanalyzed condition.

Independent verification of the heat exchanger orientation will be performed in mid-July by site Quality Control. If it is confirmed that the impingement plate is located on the outlet side of the heat exchanger instead of the inlet side, visual inspection of the tubes' outside surface and eddy current testing of select tubes in the vicinity of the inlet nozzle will be performed. These inspections will determine the presence and extent of tube degradation.

Review of previous inspection records indicates that the remaining CTS heat exchangers are installed correctly. This will be confirmed by inspection prior to start up of the units.

As the eddy current testing has not yet been scheduled, a tentative date for updating this LER has been set for September 30, 1998. The update may be provided earlier, depending on the testing schedule and the results.