

# CATEGORY 1

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ACCESSION NBR: 9806090368      DOC. DATE: 98/06/01      NOTARIZED: NO      DOCKET #  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315  
 AUTH. NAME.      AUTHOR AFFILIATION  
 SCHOEPP, P.      Indiana Michigan Power Co.  
 SAMPSON, J. R.      Indiana Michigan Power Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: LER 98-005-02: on 980122, discovered screw heads in ice  
 condenser ice melt sys trash filter. Cause is still under  
 investigation. Completed melt out of ice condenser to verify  
 coupling screws are in place. W/980601 ltr.

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



June 1, 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:

98-005-02

Sincerely,

A handwritten signature in cursive script that reads "J. R. Sampson".

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

9806090368 980601  
PDR ADDCK 05000315  
S PDR

## 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 1

DOCKET NUMBER (2)  
50-315

Page 1 of 1

TITLE (4)

Interim LER - Screws Missing from Ice Condenser Ice Basket Coupling Rings Results in Potential 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
01	22	98	98	-- 005 --	02	06	01	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)	73.71e				
		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. Paul Schoepf, Safety Related Mechanical Engineering Superintendent

TELEPHONE NUMBER (Include Area Code)

616/465-5901, x2408

## 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 (If yes, complete EXPECTED SUBMISSION DATE).	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			07	31	98

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

On January 22, 1998, with Units 1 and 2 in Mode 5, personnel discovered screw heads in the ice condenser ice melt system trash filter. The screws were apparently from the Unit 1 ice condenser ice basket coupling rings, and a decision was made to conduct inspections of a sample of baskets in both units. A follow-up inspection performed on a sample of ice baskets identified baskets which were missing more than the maximum allowable number (4) of screws per coupling ring at the bottom rim of the basket. This was determined to constitute an unanalyzed condition, and an ENS notification was made on February 14, 1998 at 0800 hours under 10CFR50.72(b)(2)(i) and interim LERs were submitted on February 23, 1998 and March 31, 1998 under 10CFR50.73(a)(2)(ii).

The safety significance of a basket ejection during a postulated accident due to missing screws on bottom basket rims has been evaluated by Westinghouse. This review concluded that the possibility of ice baskets or ice basket columns ejecting from the ice bed is extremely remote, and if it were to happen, the resulting configuration would not have prevented the ice condenser from performing its function.

The investigation into this condition continues. A decision was made to melt out both units' ice condensers and perform an inspection of the ice baskets, including verification that coupling screws are in place. The melt out of the Unit 1 ice condenser has been completed and inspections are about to commence. Samples of basket screws and screw heads removed from the Unit 1 ice melt system in March have undergone metallurgical analysis. The full results of the metallurgical analysis are also under review. An update to this interim LER will be submitted by July 31, 1998.