

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9803040270      DOC. DATE: 98/02/23      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 98-004-00: on 980122, discovered that one of ice condenser  
 flow passages contained large amount of frost & ice. Caused  
 by restricted flow passages in ice condenser bays. Update to  
 LER will be submitted by 980331.W/980223 ltr.

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



February 23, 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:

98-004-00

Sincerely,

A handwritten signature in cursive script, appearing to read "J. R. Sampson".

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

9803040270 980223  
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 1DOCKET NUMBER (2)  
50-315

Page 1 of 1

## TITLE (4)

Interim LER - Restricted Ice Condenser Flow Passages Found to Constitute an 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	-- 004 --	00	02	23	98	Cook - Unit 2	50-316
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
5			20.2201(b)			20.2203(a)(3)(i)			50.73(a)(2)(iii)	73.71(b)
POWER LEVEL (10)			20.2203(a)(1)			20.2203(a)(3)(ii)			50.73(a)(2)(iv)	73.71e
00			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

TELEPHONE NUMBER (Include Area Code)

Mr. Paul Schoepf, Safety Related Mechanical Engineering Superintendent

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)

<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE).	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			03	31	98

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

On January 22, 1998, with Unit 1 in Mode 5, while personnel were touring the Unit 1 containment it was noted that one of the ice condenser flow passages contained a large amount of frost and ice. A subsequent inspection of the ice condensers for both units identified that there were restricted flow passages in each units' ice condenser bays, primarily in radial rows adjacent to the containment wall. As the Technical Specifications allows no more than one restricted flow passage, this was determined to constitute an unanalyzed condition. An ENS notification was made on January 28, 1998 at 1706 hours under 10CFR50.72(b)(2)(ii). This interim LER is submitted in accordance with 10CFR50.73(a)(2)(ii) as an unanalyzed condition found while the reactor was shutdown.

Briefly, each ice condenser consists of 24 bays containing 81 ice baskets apiece, covering an arc of 300 degrees in the containment structure. Each ice basket is approximately 12 inches across and 48 feet long, filled with borated ice. The flow passages between the baskets must be kept free of obstruction to assure even steam flow through the ice beds during the post LOCA period.

The investigation into this condition continues. Subsequent to the discovery of the blocked ice condenser flow passages, additional issues were identified which impacted aspects of the ice condenser and its function. These issues are being reviewed in parallel with the flow passage issue to ensure that the cumulative effect of these conditions is evaluated.

It is expected that an update to this interim LER will be submitted by March 31, 1998.