

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9804200534 DOC.DATE: 98/04/13 NOTARIZED: NO DOCKET #
 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH.NAME AUTHOR AFFILIATION
 SCHOEPF,P. Indiana Michigan Power Co.
 SAMPSON,J.R. Indiana Michigan Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-015-00:on 980312,ice weight requirements potentially
 were not met due to nonconservative assumption in software
 program.Update to interim LER will be issued by 980513.
 W/980413 ltr.

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Indiana Michigan
Power Company
Cock Nuclear Plant
One Cook Place
Bridgman, MI 49106



April 13, 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:

98-015-00

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
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Records Center, INPO
NRC Resident Inspector

1/1
Tel 72

9804200534 980413
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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)

Ice Weight Requirements Potentially Not Met Due to Nonconservative Assumption In Software Program

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	12	98	98	-- 015 --	00	04	13	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)

<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE).	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			05	13	98

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

On March 12, 1998, an ENS notification was made in accordance with 10CFR50.72(b)(2)(i), for a condition found while the reactor was shutdown, which, if it had been found during operation, may have resulted in the plant being in an unanalyzed condition. The ice condenser consists of 24 bays, each of which contain 81 ice baskets for a total of 1,944 ice baskets per unit. Technical Specifications in effect during operation required that the ice condenser be divided into three groups of baskets and that the average ice weight of baskets from radial rows 1, 2, 4, 6, 8, and 9 in each group contain at least 1220 lbs/basket at a 95 percent confidence level. The weight requirement was subsequently raised to 1333 lbs/basket during the current outage.

Compliance with the Technical Specifications (T/S) is demonstrated by use of an in-house software package, NSLICE2, to perform a statistical analysis of ice basket weight samples. The NSLICE2 program performs a pre-processing step which rejects weights less than 800 pounds as invalid data. It has been learned that this pre-processing step was not understood by plant staff using the program, and this resulted in some light ice basket data not being included in the NSLICE2 statistical analysis.

A preliminary evaluation was performed to determine the effect the low weight data points would have had on the previous statistical analysis results. The evaluation indicates that the T/S row group minimum ice weight limit may have been violated with respect to the 95% confidence requirement. This appears to have been made possible by the combination of the NSLICE2 pre-processing step and performance of non-representative ice basket weight sampling as described in LER 315/98-007-00.

The investigation into this event continues, along evaluation of the significance of the low basket weights with regard to ice maldistribution analyses. An update to this interim LER will be issued by May 13, 1998.