

CATEGORY 1

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ACCESSION NBR: 9710100207 DOC. DATE: 97/10/06 NOTARIZED: NO DOCKET #
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 AUTH. NAME AUTHOR AFFILIATION
 SCHOEPP, P. Indiana Michigan Power Co.
 BLIND, A.A. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 97-018-00: on 970905, failure to maintain 1/4" particulate retention requirement for containment recirculation sump results in condition outside design basis. Investigation continues. Update will be issued by 971117.W/971006 ltr.

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



October 6, 1997

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:

97-018-00

Sincerely,

A. A. Blind
Site Vice President

/mbd

Attachment

c: A. B. Beach, Region III
E. E. Fitzpatrick
P. A. Barrett
S. J. Brewer
J. R. Padgett
D. Hahn
Records Center, INPO
NRC Resident Inspector

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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 (MNBB 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 - Failure to Maintain the 1/4" Particulate Retention Requirement for the Containment Recirculation Sump Results in a Condition Outside the Design Bases

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
09	05	97	97	018	00	10	06	97	Cook Unit 2	50-316
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73(a)(2)(ii) (Check one or more) (11)							
1			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) 73.71(c)							
100			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							
			20.2203(a)(2)(iii) 50.36(c)(2) 50.73(a)(2)(viii)(A) Abstract below							
			20.2203(a)(2)(iv) 50.73(a)(2)(i) 50.73(a)(2)(viii)(B) and in Text,							
			20.2203(a)(2)(v) X 50.73(a)(2)(ii) 50.73(a)(2)(x) NRC Form 366A)							

LICENSEE CONTACT FOR THIS LER (12)

NAME
Mr. Paul Schoepf, Safety Related Mechanical Engineering SuperintendentTELEPHONE 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	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			11	17	97

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

On September 5, 1997, with Unit 1 and Unit 2 at 100 percent Rated Thermal Power, it was discovered that both units had been outside the design bases since 1979 due to a failure to maintain the 1/4" particulate retention requirement for the containment recirculation sump. This was determined to be reported in accordance with 10CFR50.72(b)(1)(ii)(B), as a condition outside the design basis, and an ENS notification was made at 0921 hours that day. This interim LER is being submitted under 10 CFR 50.73(a)(2)(ii)(B), as a condition that was outside the design basis of the plant.

During review of design documentation for the containment recirculation sumps, it was determined that modifications had been performed in 1979 to eliminate air entrapment and vortexing concerns within the sump. Included in the modification was relocation of a 1/4" particulate retention barrier from inside the recirculation sump to the entrance of the sump. This enlarged the area of the sump protected by the 1/4" retention requirement, however, all potential particulate inlet paths were not identified and properly protected when the modification was installed. The new potential pathways included 3/4" vents in the roof of the recirculation sump entrance, the containment sump drain line from the recirculation sump, and small gaps around the sump entrance.

Between 1990 and 1997 the potential inlet paths were individually recognized and corrected, and the 1/4" retention requirement re-established. Investigation into this condition continues. Evaluation of the safety consequences of this condition will be completed and an update to this interim LER will be issued by November 17, 1997.