

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9711280303 DOC.DATE: 97/11/17 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.
BLIND, A.A. Indiana Michigan Power Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 97-024-01: on 970917, matl was discovered on containment degrades containment recirculation sump. Caused by improperly installed Temp-Mat. Fiberfrax matl & duct tape have been removed from containments. W/971117 ltr.

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TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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



November 17, 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:

97-024-01

Sincerely,

A handwritten signature in cursive script that reads 'A. A. Blind'.

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 1

DOCKET NUMBER (2)
50-315

Page 1 of 1

TITLE (4)
Interim LER - Update to Material Discovered in Containment Degrades Containment Recirculation Sump and Results in Condition Outside Design Basis

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	17	97	97	-- 024 --	01	11	17	97	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)(1)	50.73(a)(2)(iii)	73.71(b)					
		20.2203(a)(1)	20.2203(a)(3)(ii)	50.73(a)(2)(iv)	73.71					
		20.2203(a)(2)(1)	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)(1)	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. Frank Pisarsky, Mechanical Component Engineering Manager
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
			12	31	97

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

This revision is being sent to update the status of the evaluation of this condition. On September 11, 1997 a fibrous material, known as Fiberfrax, was identified in a Unit 2 electrical cable tray. An investigation was initiated to determine the scope and magnitude of this condition. On September 17, 1997, at 1400 hours, it was determined that Fiberfrax was present in both Unit 1 and 2 containments in enough quantity to potentially cause excessive blockage of the containment recirculation sump screen during the recirculation phase of a Loss of Coolant Accident (LOCA) and render the sump inoperable. A NRC prompt notification was made at 1629 hours on September 17, 1997, under 10CFR50.72(b)(2)(i). On October 17, 1997, Rev. 0 of this LER also reported that additional walkdowns identified instances in both containments where the fibrous insulation called Temp-Mat was not properly installed and where duct tape was present. The Fiberfrax and duct tape have been removed from the containments.

The following is being reported to provide an update on the actions and evaluations being taken to resolve potential debris in containment and the impact on the recirculation sump under LOCA conditions. As reported in our telephone update on October 23, 1997, an analysis using bounding numbers from the best available industry data was performed. The fibrous material that was found in the cable trays and temporary insulation on piping on Unit 1 would not have caused the recirculation sump to be inoperable. A similar analysis for Unit 2 found that the Unit 2 recirculation sump would also have been operable. The NRC staff has questioned some aspects of the methodology used for the above analyses. We are evaluating the use of a different analytical methodology for debris generation and transport to confirm the operability determinations. We are also evaluating the impact of other materials that may potentially interact with the sump.

This interim LER is being reported under 10CFR50.73(a)(2)(ii)(B), as a condition outside the design basis of the plant. An update to this LER is scheduled to be issued by December 31, 1997, pending completion of the investigation and evaluations.