

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9710230164 DOC. DATE: 97/10/17 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.
 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 97-024-00: on 970917, identified fibrous matl in Unit 2
 electrical cable tray. Cause indeterminate. Removed duct tape
 & fibrous matl from containment. Supplemental LER will be
 issued by 971117.W/971017 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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



October 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:

97-024-00

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

9710230164 971017
PDR ADOCK 05000315
S PDR

IE221



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 - 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 --	00	10	17	97	Cook Unit 2	50-316
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73(a)(2)(iii) (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) 73.71(i)							
0			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

TELEPHONE NUMBER (Include Area Code)

Mr. Paul Schoepf, Safety Related Mechanical Engineering Superintendent

616/465-5901, 2408

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 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, with Units 1 and 2 in cold shutdown, it was determined that the Fiberfrax was present in both 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. An NRC prompt notification was made at 1629 hours on September 17, 1997, under 10 CFR 50.72(b)(2)(i), as a condition which was found while the reactor was shutdown, which if it had been found while the reactor was operating, would have resulted in the nuclear power plant being outside the design basis. This interim LER is being reported under 10 CFR 50.73(a)(2)(ii)(B), as a condition that was outside the design basis of the plant.

As part of the investigation reviews were conducted of industry information related to containment sump strainer blockage and plant insulation specifications. Walkdowns were performed of both containments. The walkdowns indicated several instances where a fibrous insulation, known as Temp-Mat, was installed in a configuration which was not in accordance with insulation specifications. Specifically, the Temp-Mat was either exposed or encapsulated in stainless steel mesh. Similar to the Fiberfrax in the original notification, the Temp-Mat could potentially block the recirculating sump following a LOCA. An update to the original NRC notification was made at 1020 hours on October 1, 1997. In addition to identification of the Temp-Mat, the presence of a significant amount of duct tape was identified during the walkdowns. Duct tape also has the potential to block the recirculating sump following a LOCA. The subject duct tape and Fiberfrax have been removed from containment. The presence of the Temp-Mat is being evaluated for acceptability.

An update to this LER is scheduled to be issued by November 17, 1997, pending completion of the investigation and further evaluation of the conditions.

