

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9804290088 DOC. DATE: 98/04/22 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 CARRUTH, R. Indiana Michigan Power Co.
 SAMPSON, J. R. Indiana Michigan Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-016-00: on 980323, non-safety related cables routed to safety related equipment occurred. Caused by failure of non-safety related BOP cable. Update to interim LER will be provided by 980717.W/980422 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
Cock Nuclear Plant
One Cock Place
Bloomington, IN 47408



April 22, 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:

98-016-00

Sincerely,

A handwritten signature in black ink, appearing to be 'J. R. Sampson', written over a horizontal line.

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

9804290088 980422
PDR ADOCK 05000315
S PDR

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IE22

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 - Non-Safety Related Cables Routed to Safety Related Equipment

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	23	98	98	-- 016 --	00	04	22	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)	73.71c
			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)(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. Robert Carruth, Electrical Design Manager

TELEPHONE NUMBER (Include Area Code)

616/697-5146

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
(If yes, complete EXPECTED SUBMISSION DATE).

NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR
07 17 98

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

On March 23, 1998, it was determined that non-safety related cables were routed to safety related devices in the Emergency Diesel Generator (EDG) load shed circuitry. The EDGs supply 4kV and 600V safety related loads in the event of a loss of offsite power (LOOP). Some 600V non-safety related balance-of-plant (BOP) loads are also supplied by the safety related buses. 600V switchgear circuit breakers that feed non-safety related loads are load shed under a LOOP. The purpose of the load shed function is to ensure that the EDG is not overloaded when sequencing loads back to the bus after a LOOP. Wiring diagrams identify the cabling from the load shed relays to the shunt trip coils on the breakers as BOP. Both the relays and the shunt trip coils are safety related.

A failure of non-safety related BOP cable could potentially result in the 600V non-safety related loads not being load shed during a LOOP. This condition could cause the EDG to be overloaded when the 4kV loads are sequenced onto the bus. There is no history to date of failures of non-safety related cables at the Cook Plant resulting in the loss of EDG load shed capability.

This event was reported on March 23, 1998, via ENS under the provisions of 10 CFR 50.72(b)(2)(i), as a condition found while the reactors were shutdown, which had it been found while the reactor was in operation, could have resulted in the plant being in an unanalyzed condition.

When this condition was identified all 4 EDGs were declared inoperable. For the current mode of operation we are considering options for returning the EDGs to an operable condition. These options include a 91-18 operability review, a possible T/S change, or temporary modifications. Long term solutions are still being developed. An update to this Interim LER will be provided by July 17, 1998.