

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
D. C. COOK PLANT - UNIT 2

DOCKET NUMBER (2)
0 5 0 0 0 3 1 6

PAGE (3)
1 OF 0 1

TITLE (4)
REACTOR TRIP

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 NAMES	DOCKET NUMBER(S)
08	05	84	84	020	000	09	04	84		0 5 0 0 0
										0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9) 1	20.402(b)	20.406(c)	X	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 100	20.406(a)(1)(i)	50.38(c)(1)		50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.38(c)(2)		50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.406(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME
A. A. BLIND
TECHNICAL SUPERINTENDENT - ENGINEERING DEPARTMENT

TELEPHONE NUMBER
AREA CODE
6116 4615-5901

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS
X	EIEF	UI	S121510	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE): NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

ON 08-05-84 AT 1414 HOURS, WHILE AT 100 PERCENT POWER, A REACTOR TRIP OCCURED DUE TO THE LOSS OF A 120 VOLT A. C. VITAL BUS INVERTER. THE REQUIRED ESF FUNCTIONS ACTUATED PROPERLY. THESE INCLUDED A TURBINE TRIP, FEEDWATER ISOLATION AND START OF THE TURBINE AND MOTOR DRIVEN AUXILARY FEEDWATER PUMPS. THE BUS FAILURE WAS DUE TO A BLOWN FU2 FUSE (IEEE COMPONENT FUNCTION IDENTIFIER = FU) IN THE 120 VOLT A. C. VITAL BUS CHANNEL 2 INVERTER. THE REACTOR TRIP OCCURED DUE TO INDICATION OF LOW RCS FLOW WITH REACTOR POWER GREATER THAN THE P-8 SETPOINT. THE INVERTER SILICON CONTROL RECTIFIERS AND DIODES WERE REPLACED AS A PRECAUTIONARY MEASURE. THE INVERTER WAS STARTED AND OPERATED PROPERLY FOR 3.5 HOURS PRIOR TO BEING DECLARED OPERABLE AT 0615 HOURS ON 08-06-84. DURING AUTOMATIC ACTUATION OF THE AUXILARY FEED WATER SYSTEM, THE MOTOR OPERATED FLOW CONTROL VALVES (FMO-212 AND 222) TO NUMBER 1 AND 2 STEAM GENERATORS DID NOT OPERATE PROPERLY ON A FLOW RETENTION SIGNAL, (FMO-212 REMAINED FULL OPEN AND FMO-222 CLOSED). THE LIMIT SWITCHES IN THE VALVE MOTOR OPERATORS WERE RESET AND THE VALVES WERE VERIFIED TO OPERATE PROPERLY.

8409130500 840904
PDR ADDCK 05000316
S PDR

IE22
1/1



INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

September 4, 1984

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Operating License DPR-74
Docket No. 50-316

Document Control Manager:

In accordance with the criteria established by 10CFR50.73 entitled Licensee Event Reporting System, the following report/s are being submitted:

RO 84-020-0

Sincerely,

W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
J.G. Keppler, RO:III
M.P. Alexich
R.F. Kroeger
H. Brugger
E.R. Swanson, RO:III
R.C. Callen, MPSC
G. Charnoff, Esq.
J.M. Hennigan
R.O. Bruggee, EPRI
INPO
PNSRC
J.F. Stietzel
E.L. Townley
Dottie Sherman, ANI Library

IE22
1/1