

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
DONALD C. COOK UNIT 2

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

PAGE (3)
1 OF 0 2

TITLE (4)
INOPERABLE FIRE DAMPER

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)											
0	8	2	1	8	4	8	4	0	2	6	0	1	0	1	9	8	4	0	5	0	0	0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)

OPERATING MODE (9)	20.402(b)	20.406(e)	80.73(a)(2)(iv)	73.71(b)
1	20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(c)
POWER LEVEL (10)	20.406(a)(1)(ii)	80.36(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 306A)
1	20.406(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
0	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
0	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
R. L. DUDDING - MAINTENANCE SUPERINTENDENT	6 1 6 4 6 5 1 5 9 0 1

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	KIQ	IDMIP	AJ31410	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
	X				

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

ON AUGUST 21, 1984 AT 0500 HOURS, WHILE IN MODE 1, WITH REACTOR THERMAL POWER AT 100 PERCENT, THE CONTROL ROOM CABLE VAULT SUPPLY FAN FIRE DAMPER (2-HV-ACES-2) WAS OBSERVED TO CLOSE BUT NOT LATCH DURING A MANUAL ACTUATION OF THE LOW PRESSURE CO2 FIRE SUPPRESSION SYSTEM. PERSONNEL PERFORMING THIS TEST WERE OF THE OPINION THAT DAMPER OPERABILITY WAS NOT AFFECTED BY THE FAILURE TO LATCH AND THEREFORE DID NOT DECLARE THE DAMPER INOPERABLE. INSPECTION ON SEPTEMBER 21, 1984 DETERMINED THAT THE CLEARANCE BETWEEN THE LATCH BOLT AND ITS HOUSING WAS GREATER THAN NECESSARY. THIS PREVENTED THE LATCH BOLT FROM ENGAGING AGAINST THE STRIKER PLATE WHILE THE TRAP DOOR WAS AGAINST ITS FRAME.

THE CLEARANCE BETWEEN THE LATCH BOLT AND ITS HOUSING HAS BEEN DECREASED ENABLING THE DAMPER TO CLOSE AND LATCH. FUNCTIONAL TESTING HAS BEEN PERFORMED TO ENSURE PROPER DAMPER OPERATION. PERSONNEL INVOLVED WITH THE EVENT HAVE BEEN REINSTRUCTED AND ARE KNOWLEDGEABLE OF FIRE DAMPER OPERABILITY REQUIREMENTS.

8411060329 841019
PDR ADOCK 05000316
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) DONALD C. COOK UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	0 2 6	0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 368A's) (17)

ON AUGUST 21, 1984 AT 0500 HOURS, WHILE IN MODE 1, WITH REACTOR THERMAL POWER AT 100 PERCENT, THE CONTROL ROOM CABLE VAULT SUPPLY FAN FIRE DAMPER (2-HV-ACES-2) WAS OBSERVED TO CLOSE BUT NOT LATCH DURING A MANUAL ACTUATION OF THE LOW PRESSURE CO2 FIRE SUPPRESSION SYSTEM. THIS DAMPER IS A TRAP DOOR TYPE, WITH A 3 HOUR FIRE RATING. PERSONNEL PERFORMING THIS TEST WERE OF THE OPINION THAT DAMPER OPERABILITY WAS NOT AFFECTED BY THE FAILURE TO LATCH AND THEREFORE DID NOT DECLARE THE DAMPER INOPERABLE.

ON SEPTEMBER 21, 1984 AT 1040 HOURS WHILE INVESTIGATING THE LATCHING PROBLEM IDENTIFIED ON AUGUST 21, 1984 IT WAS OBSERVED THAT NORMAL AIRFLOW, PREVENTED COMPLETE DAMPER CLOSURE. THE DAMPER WAS THEN IMMEDIATELY CLOSED AND LATCHED, FURTHER INSPECTION ON A LATER DATE DETERMINED THAT THE CLEARANCE BETWEEN THE LATCH BOLT AND ITS HOUSING WAS GREATER THAN NECESSARY. THIS PREVENTED THE LATCH BOLT FROM ENGAGING AGAINST THE STRIKER PLATE WHILE THE TRAP DOOR WAS AGAINST ITS FRAME.

THE CLEARANCE BETWEEN THE LATCH BOLT AND ITS HOUSING HAS BEEN DECREASED ENABLING THE DAMPER TO CLOSE AND LATCH. FUNCTIONAL TESTING HAS BEEN PERFORMED TO ENSURE PROPER DAMPER OPERATION. PERSONNEL INVOLVED IN THE EVENT HAVE BEEN REINSTRUCTED AND ARE KNOWLEDGEABLE OF FIRE DAMPER OPERABILITY REQUIREMENTS.

TWO PREVIOUS PERIODIC FUNCTIONAL INSPECTIONS COMPLETED ON AUGUST 13, 1982 AND MAY 25, 1984 FAILED TO REVEAL ANY DISCREPANCIES WITH THE SUBJECT DAMPER. THE ACTIONS TAKEN AS DESCRIBED ABOVE CORRECTED THE PROBLEM AND SHOULD PREVENT RECURRENCE.

UPON AN ACTUATION OF THE LOW PRESSURE CO2 FIRE SUPPRESSION SYSTEM, OPERATION OF THE CONTROL ROOM CABLE VAULT EXHAUST AND SUPPLY FANS IS AUTOMATICALLY TERMINATED ENABLING THE SUBJECT DAMPER TO CLOSE SUFFICIENTLY TO ASSURE OPERABILITY OF THE FIRE SUPPRESSION SYSTEM.



INDIANA & MICHIGAN ELECTRIC COMPANY

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

October 19, 1984

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

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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 84-026-0

Sincerely,

E L Townley

for 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
NRC Resident Inspector
R.C. Callen, MPSC
G. Charnoff, Esq.
J.M. Hennigan
INPO
PNSRC
J.F. Stietzel
E.L. Townley
Dottie Sherman, ANI Library

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