

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D.C. COOK NUCLEAR PLANT UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 3 1 5	PAGE (3) 1 OF 0 2
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TITLE (4)
INOPERABILITY OF SPENT FUEL POOL EXHAUST FANS

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)
1	0	0 2 8 4	8 4	0 2 4	0 0	1 1	0 1	8 4	D.C. COOK UNIT 2		0 5 0 0 0 3 1 6

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)							
POWER LEVEL (10) 1 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)				
	20.405(a)(1)(ii)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)				
	20.405(a)(1)(iii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)				
	20.405(a)(1)(iii)	X 50.73(a)(2)(ii)	50.73(a)(2)(viii)(A)					
	20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)					
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)						

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME A.A. BLIND, TECHNICAL/ENGINEERING DEPARTMENT SUPERINTENDENT		AREA CODE 6 1 6	NUMBER 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 NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS
X	V F	Q D I M P A	1 2 2 0	N					

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	NO				

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

THIS EVENT OCCURRED ON OCTOBER 2, 1984 WITH UNIT 1 IN MODE 1 AT 100 PERCENT POWER AND UNIT 2 IN MODE 1 AT 96 PERCENT POWER. IT WAS OBSERVED DURING THE PERFORMANCE OF A SURVEILLANCE TEST THAT THE SPENT FUEL POOL EXHAUST VENTILATION SYSTEM DAMPERS DID NOT CHANGE POSITION TO DIRECT AIRFLOW THROUGH THE CHARCOAL ADSORBERS FOLLOWING THE INITIATION OF A HIGH ALARM ON SPENT FUEL POOL RADIATION MONITOR R-5.

FUEL WAS MOVED WITHIN THE SPENT FUEL POOL BETWEEN THE TIME OF THE MOST RECENT PREVIOUS VERIFICATION OF DAMPER OPERABILITY AND THE TIME OF THIS DAMPER FAILURE.

THIS REPORT IS BEING SUBMITTED UNDER THE ASSUMPTION THAT THE DAMPER FAILURE EXISTED DURING FUEL MOVEMENT WHICH WOULD HAVE VIOLATED THE REQUIREMENTS OF TECHNICAL SPECIFICATION 3.9.12 PROHIBITING FUEL MOVEMENT IN THE SPENT FUEL POOL AND CRANE OPERATIONS OVER THE SPENT FUEL POOL UNLESS AT LEAST ONE SPENT FUEL POOL EXHAUST VENTILATION SYSTEM IS OPERABLE.

SINCE THE APPARENT FAILURE OF THE DAMPERS TO FUNCTION COULD NOT BE REPEATED NO CORRECTIVE ACTION COULD BE TAKEN. THE PROBLEM HAS NOT RECURRED.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

THIS EVENT OCCURRED ON OCTOBER 2, 1984 WITH UNIT 1 IN MODE 1 AT 100 PERCENT POWER AND UNIT 2 IN MODE 1 AT 96 PERCENT POWER. IT WAS OBSERVED DURING THE PERFORMANCE OF A SURVEILLANCE TEST THAT THE SPENT FUEL POOL EXHAUST VENTILATION SYSTEM DAMPERS (IEEE STANDARD FUNCTION IDENTIFIER = CDMP) DID NOT CHANGE POSITION TO DIRECT AIRFLOW THROUGH THE CHARCOAL ADSORBERS (IEEE STANDARD FUNCTION IDENTIFIER - ADS) FOLLOWING THE INITIATION OF A HIGH ALARM ON SPENT FUEL POOL RADIATION MONITOR R-5 (IEEE STANDARD FUNCTION IDENTIFIER = 45). THIS OBSERVATION WAS MADE IN THE CONTROL ROOM BY VIEWING THE DAMPER POSITION INDICATOR LIGHTS. THE SPENT FUEL POOL EXHAUST VENTILATION FAN WAS OUT OF SERVICE FOR MAINTENANCE DURING THIS TESTING. THE SURVEILLANCE TEST WAS SUSPENDED PENDING INVESTIGATION OF THE DAMPER POSITION PROBLEM. THE INVESTIGATION REVEALED NO APPARENT REASON FOR THE FAILURE AND THE PROBLEM COULD NOT BE REPEATED. THE SURVEILLANCE TEST WAS RESUMED AND COMPLETED SATISFACTORILY. THERE WAS NO FURTHER PROBLEM WITH EITHER THE DAMPER POSITION OR WITH THE INDICATION.

THE MOST RECENT TEST THAT VERIFIED DAMPER OPERABILITY WAS PERFORMED ON SEPTEMBER 4, 1984. VIDEO INSPECTIONS AND ULTRASONIC TESTING WERE CONDUCTED ON NINE DIFFERENT DAYS IN SEPTEMBER BY WESTINGHOUSE AND BROWN BOVERI REAKTOR. TWENTY REGION "R" AND "P" FUEL ASSEMBLIES WERE INVOLVED AS A FOLLOW-UP TO A FUEL SIPPING CAMPAIGN PERFORMED IN DECEMBER 1982. ALSO, ON SEPTEMBER 11, 1984 TEN ASSEMBLIES WERE RELOCATED WITHIN THE SPENT FUEL POOL. THIS REPORT IS BEING SUBMITTED UNDER THE ASSUMPTION THAT THE DAMPER FAILURE EXISTED DURING THE INSPECTIONS AND FUEL MOVEMENT WHICH IS A VIOLATION OF TECHNICAL SPECIFICATION 3.9.12.

SINCE THE APPARENT FAILURE OF THE DAMPERS TO FUNCTION COULD NOT BE REPEATED NO CORRECTIVE ACTION COULD BE TAKEN. THE PROBLEM HAS NOT RECURRED.



INDIANA & MICHIGAN ELECTRIC COMPANY

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

November 1, 1984

United States Nuclear Regulatory Commission
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Washington, D.C. 20555

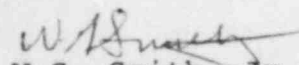
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Docket No. 50-315

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 84-024-0

Sincerely,


W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
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