

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) DONALD C. COOK NUCLEAR PLANT, UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6	PAGE (3) 1 OF 0 2
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TITLE (4)
CARDOX FIRE PROTECTION SYSTEM ISOLATED WITHOUT A FIRE WATCH BEING PRESENT

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 9	2 8	8 4	8 4	0 2 7	0 0	1 0	2 6	8 4				0 5 0 0 0
												0 5 0 0 0

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)							
POWER LEVEL (10) 1 0 1 0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)				
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)				
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)					
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)					
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)						

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME J.F. STIETZEL - QUALITY CONTROL SUPERVISOR		AREA CODE 6 1 6	4 6 5 - 5 9 0 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	

SUPPLEMENTAL REPORT EXPECTED (14)			EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO					

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

ON SEPTEMBER 28, 1984, AT 2214 HOURS, WITH UNIT 2 IN MODE 1 OPERATING AT 100 PERCENT REACTOR THERMAL POWER, A SECURITY OFFICER DISCOVERED THE CARDOX FIRE PROTECTION SYSTEM ON THE UNIT 2 AUXILIARY CABLE VAULT WAS ISOLATED WITH NO FIRE WATCH PRESENT. FIRE WATCH DUTIES ARE PERFORMED BY CONTRACT PERSONNEL, AND IT IS THEIR RESPONSIBILITY UNDER PLANT PROCEDURES TO RETURN THE CARDOX FIRE PROTECTION SYSTEM TO NORMAL WHEN PERSONNEL LEAVE THE AREA. THE DURATION THIS AREA WAS ISOLATED WITH NO FIRE WATCH PRESENT WAS CALCULATED TO BE 8 HOURS AND 13 MINUTES. THIS IS IN VIOLATION OF TECHNICAL SPECIFICATION 3.7.9.3. PREVENTIVE ACTIONS INCLUDED DISCUSSION OF THIS EVENT WITH FIRE WATCH SUPERVISOR AND DISCUSSION OF THE INCIDENT AT SUBSEQUENT FIRE WATCH SAFETY MEETINGS.

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PDR ADOCK 05000316
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) D.C. COOK NUCLEAR PLANT, UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6 8 4	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 2 7	0 0	0 2	CF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

ON SEPTEMBER 28, 1984, WITH UNIT 2 IN MODE 1 OPERATING AT 100 PERCENT REACTOR THERMAL POWER, AT 2214 HOURS A SECURITY OFFICER DISCOVERED THAT THE CO2 FIRE SUPPRESSION SYSTEM FOR THE UNIT 2 AUXILIARY CABLE VAULT WAS ISOLATED WITH NO FIRE WATCH IN THE AREA. THE SECURITY OFFICER CONTACTED THE UNIT 2 CONTROL ROOM WHO DISPATCHED AN OPERATOR TO SEARCH THE AUXILIARY CABLE VAULT. FOLLOWING VERIFICATION BY OPERATIONS PERSONNEL THAT THE AUXILIARY CABLE VAULT WAS UNOCCUPIED, THE CO2 SUPPRESSION SYSTEM WAS RETURNED TO NORMAL.

INVESTIGATION OF THE INCIDENT REVEALED THAT PERSONNEL HAD EXITED THE AREA AT 1401 HOURS AND THAT THE FIRE WATCH HAD FAILED TO RETURN THE CO2 SUPPRESSION SYSTEM ISOLATION SWITCH TO THE NORMAL POSITION. FIRE WATCH DUTIES ARE PERFORMED BY CONTRACT PERSONNEL AND UNDER PLANT PROCEDURES, THE ASSIGNED FIRE WATCH IS RESPONSIBLE FOR RETURNING THE CO2 ISOLATION SWITCH TO THE NORMAL POSITION. THE DURATION THIS AREA WAS ISOLATED WITH NO FIRE WATCH PRESENT WAS CALCULATED TO BE 8 HOURS AND 13 MINUTES. THIS IS IN VIOLATION OF TECHNICAL SPECIFICATION 3.7.9.3. THE PLANT HAS RECENTLY ENGAGED A NEW CONTRACTOR FOR FIRE WATCH DUTIES. UPON LEARNING OF THE INCIDENT THE PLANT FIRE PROTECTION COORDINATOR VERIFIED THAT THE FIRE WATCH SUPERVISOR UNDERSTOOD THE REQUIREMENTS FOR CO2 ISOLATION AND SUBSEQUENT RESTORATION FOR THIS AREA AND HAD HIM REITERATE THIS REQUIREMENT TO HIS PERSONNEL. THIS SUBJECT WAS ALSO COVERED AT SUBSEQUENT FIRE WATCH SAFETY MEETINGS.

DURING THE TIME THE CO2 SUPPRESSION SYSTEM WAS ISOLATED THE FIRE DETECTION SYSTEM WAS STILL OPERABLE. HOWEVER, THE CO2 SUPPRESSION SYSTEM WOULD HAVE REQUIRED MANUAL ACTUATION.

PREVIOUS OCCURRENCES OF A SIMILAR NATURE INCLUDE:

- 50-316/84-009, 022
- 50-315/83-022, 028, 034, 093, 114
- 50-316/83-048, 060
- 50-315/82-037, 044, 045, 049, 068, 081, 082, 108
- 50-316/82-054, 058, 062, 076, 084



INDIANA & MICHIGAN ELECTRIC COMPANY

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

October 26, 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 84-027-0

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
- NRC Resident Inspector
- R.C. Callen, MPSC
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