

NRC Form 308
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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

TITLE (4)
IMPROPERLY ISOLATED CARDOX FIRE PROTECTION SYSTEM

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 4	1 0	8 4	8 4	0 0 9	0 0	0 5	1 8	8 4		0 5 0 0 0	
										0 5 0 0 0	

OPERATING MODE (8) 6

POWER LEVEL (10) 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

20.402(b)	20.406(e)	50.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	50.38(a)(1)	50.73(a)(2)(v)	73.71(c)
20.406(a)(1)(ii)	50.38(a)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
20.406(a)(1)(iii)	X 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)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME
L. J. MATTHIAS - ADMINISTRATIVE SUPERVISOR

TELEPHONE NUMBER
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)

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 4-10-84, AT 1700 HRS., WITH UNIT 2 IN REFUELING MODE, OPERATIONS PERSONNEL DISCOVERED THAT THE CARDOX FIRE PROTECTION SYSTEM ON THE UNIT 2 REACTOR CABLE TUNNEL WAS ISOLATED WITH NO FIREWATCH PRESENT. THE DURATION THIS AREA WAS ISOLATED WITH NO FIREWATCH PRESENT WAS CALCULATED TO BE ONE HOUR AND THREE (3) MINUTES. THIS IS IN VIOLATION OF TECHNICAL SPECIFICATION 3.7.9.3 LCO VALUE OF ONE HOUR.

8405220171 840518
PDR ADOCK 05000316
S PDR

NRC Form 365A
(9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 3/31/85

FACILITY NAME (1) DONALD 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		
		0 0 9	0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 365A's) (17)

ON 4-10-84, WHILE UNIT 2 WAS IN REFUELING MODE, THERE WAS WORK BEING PERFORMED IN THE REACTOR CABLE TUNNEL AND ADJACENT DIESEL GENERATOR ROOMS WITH FIREWATCHES INSIDE AND ONE SECURITY OFFICER WATCHING THE CO₂ SWITCHES (KP) WHICH WERE ISOLATED ON THE OUTSIDE OF THESE ROOMS. AT APPROXIMATELY THE SAME TIME THE WORK IN THE CABLE TUNNEL AND ONE OF THE TWO DIESEL GENERATOR ROOMS WAS COMPLETED, A SECOND SECURITY OFFICER ASSUMED DUTIES AS THE SWITCH WATCH IN THESE COMPLETED AREAS.

SINCE NO ONE REMAINED IN THESE AREAS, THE SECOND OFFICER CLOSED THESE POSTS AND THE FIRST SECURITY OFFICER LEFT THE AREA. BY PLANT PROCEDURES, THE FIREWATCH IS TO RETURN THE CO₂ ISOLATE SWITCH TO THE NORMAL POSITION AND THE SECURITY OFFICER IS TO VERIFY THE SWITCH IS IN THE NORMAL POSITION. AT APPROXIMATELY 1652, TWO OPERATORS PREPARED TO ENTER THE CABLE TUNNEL AND DISCOVERED THE CO₂ SWITCH WAS ISOLATED AND NO FIREWATCH WAS INSIDE. DURING THE TIME THE CO₂ SWITCH WAS ISOLATED, THE FIRE DETECTION SYSTEM WAS STILL OPERABLE, HOWEVER, THE SUPPRESSION SYSTEM WOULD HAVE REQUIRED MANUAL ACTIVATION.

IN CONCLUSION, THE FIREWATCH AND THE SECURITY OFFICER ERRED BY NOT CHECKING THE APPROPRIATE SWITCH IN THE NORMAL POSITION. APPROPRIATE ADMINISTRATIVE MEASURES HAVE BEEN TAKEN WHICH SHOULD ELIMINATE THIS TYPE ERROR GOING UNDETECTED IN THE FUTURE.

THIS REPORT WAS DELAYED DUE TO THE UNAVAILABILITY OF THOSE INDIVIDUALS INVOLVED FOR QUESTIONING. SCHEDULING AND VACATIONS POSTPONED THE INVESTIGATION AND CONTRIBUTED TO THIS DELAY.