

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D. C. COOK NUCLEAR PLANT, UNIT 2	DOCKET NUMBER (2) 0 5   0 0   0 3   1 6	PAGE (3) 1 OF 02
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TITLE (4)  
AUTOMATIC ESF ACTUATION - AUXILIARY FEEDWATER 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)		
01	11	85	85	001	00	02	08	85				0 5   0 0   0 0		
												0 5   0 0   0 0		

OPERATING MODE (9) 3	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)										
POWER LEVEL (10) 0.00	20.402(b)	<input type="checkbox"/>	20.406(a)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
	20.406(a)(1)(i)	<input type="checkbox"/>	50.36(a)(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(a)(2)	<input type="checkbox"/>	50.73(a)(2)(vi)	<input type="checkbox"/>		<input type="checkbox"/>			
	20.406(a)(1)(iii)	<input type="checkbox"/>	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(vii)(A)	<input type="checkbox"/>		<input type="checkbox"/>			
	20.406(a)(1)(iv)	<input type="checkbox"/>	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(vii)(B)	<input type="checkbox"/>		<input type="checkbox"/>			
	20.406(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)	<input type="checkbox"/>		<input type="checkbox"/>			

LICENSEE CONTACT FOR THIS LER (12)									
NAME K. R. BAKER, OPERATIONS SUPERINTENDENT							TELEPHONE NUMBER 6 1 6   4 6 5   - 5 9 1 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

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

ABSTRACT (Limit to 1400 spaces - approximately fifteen single space typewritten lines) (16)

ON 1-11-85, AT 0954 HOURS, WITH THE REACTOR COOLANT SYSTEM IN MODE 3 (HOT STANDBY), AN AUTOMATIC ENGINEERED SAFETY FEATURES ACTUATION OCCURRED WHICH PROVIDED A START SIGNAL TO BOTH MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS. THE INITIATING EVENT WAS A HIGH-HIGH FEEDWATER LEVEL IN STEAM GENERATOR 23. THE INCIDENT WAS THE RESULT OF A PERSONNEL ERROR WHILE MANUALLY CONTROLLING THE FEEDWATER REGULATOR VALVES.

TO PREVENT RECURRENCE THE IMPORTANCE OF PRECISE STEAM GENERATOR FEEDWATER LEVEL CONTROL WAS DISCUSSED WITH THE SENIOR REACTOR OPERATOR RESPONSIBLE FOR THE PERSONNEL ERROR.

8502140165 850208  
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 5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	0 0 1	0 0	0 2	OF 0 2

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

ON 1-11-85, AT 0954 HOURS, WITH THE REACTOR COOLANT SYSTEM (AF) IN MODE 3 (HOT STANDBY), AN AUTOMATIC ENGINEERED SAFETY FEATURES (ESF) (JE) ACTUATION OCCURRED WHICH PROVIDED A START SIGNAL TO BOTH MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS (MDAFP) (BA). THE INITIATING EVENT WAS A HIGH-HIGH FEEDWATER LEVEL IN STEAM GENERATOR 23.

THE CONDITIONS EXISTING PRIOR TO THE EVENT WERE AS FOLLOWS: THE REACTOR TRIP BREAKERS HAD BEEN CLOSED (0504), THE EAST MAIN FEEDWATER PUMP WAS RESET (0505), AND THE WEST MAIN FEEDWATER PUMP WAS IN THE TRIPPED CONDITION. THE EAST MDAFP WAS IN OPERATION SUPPLYING FEEDWATER TO STEAM GENERATORS 22 AND 23. STEAM GENERATOR FEEDWATER LEVEL WAS BEING MAINTAINED BY MANUAL CONTROL OF THE FEEDWATER REGULATOR VALVES.

DUE TO A PERSONNEL ERROR (SENIOR REACTOR OPERATOR) THE STEAM GENERATOR 23 FEEDWATER LEVEL SETPOINT WAS REACHED, THUS TRIPPING THE EAST MAIN FEEDWATER PUMP. WITH BOTH MAIN FEEDWATER PUMPS TRIPPED AN AUTOMATIC ESF ACTUATION OCCURRED WHICH PROVIDED THE AUTOMATIC START SIGNAL TO THE MDAFPS.

TO PREVENT RECURRENCE THE IMPORTANCE OF PRECISE STEAM GENERATOR FEEDWATER LEVEL CONTROL WAS DISCUSSED WITH THE OPERATOR RESPONSIBLE FOR THE PERSONNEL ERROR.