

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D. C. COOK UNIT 2										DOCKET NUMBER (2) 0 5 0 0 0 3 1 6 1										PAGE (3) 1 OF 01	
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TITLE (4) ESF ACTUATION											
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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	1	2	8	4	8	4	0	2	5	0	0	1	0	1	0	8	4	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) 0 1 7	20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)						
	20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)						
	20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	20.405(a)(1)(iii)				50.73(a)(2)(i)				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 K. R. BAKER, OPERATIONS SUPERINTENDENT												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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

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 9-12-84 AT 0733 HOURS WITH THE REACTOR AT 17% POWER AND HOLDING DURING THE START-UP, A HIGH-HIGH LEVEL IN THE NUMBER 2 STEAM GENERATOR CAUSED A TRIP OF THE OPERATING TURBINE DRIVEN MAIN FEED PUMP (MFP) AND THE TURBINE. THE MFP TRIP CAUSED AN AUTOMATIC (ESF) ACTUATION OF THE MOTOR DRIVEN AUX FEED PUMPS. THE REACTOR TRIPPED ON THE TURBINE TRIP.

THE EVENT WAS CAUSED BY OPERATOR ERROR AND LEVEL CONTROL PROBLEMS (FW HEATER DRAIN CONTROL IS BEING INVESTIGATED). A REACTOR OPERATOR AND AN UNLICENSED OPERATOR TRAINEE WERE OPERATING THE FEEDWATER SYSTEM. THREE FEEDWATER REGULATING VALVES FOR STEAM GENERATORS (S/G), 1, 3 AND 4 WERE IN AUTOMATIC CONTROL AND THE FOURTH (FRV-220) FOR S/G 2 WAS BEING MANUALLY CONTROLLED. THE HIGH-HIGH LEVEL IN NUMBER 2 GENERATOR RESULTED FROM OVERFEEDING WITH COLDER WATER AND THE SUBSEQUENT SWELLING. WHEN THE OPERATOR NOTICED LEVEL INCREASING, HE CLOSED FRV-220 AND OPENED THE BLOWDOWN, BUT THE COLD WATER WAS ALREADY IN THE STEAM GENERATOR AND WATER SWELL BECAME THE CONTROLLING FACTOR.

AS A PREVENTATIVE ACTION, THE SHIFT SUPERVISOR HAS DISCUSSED THIS EVENT WITH THE OPERATORS INVOLVED. NO FURTHER ACTIONS ARE PLANNED.

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PDR ADCK 05000316
S PDR