

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 1			PAGE (3) 1 OF 0 1	
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TITLE (4)
ESF ACTUATION

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	PREVIOUS NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
02	07	86	86	003		02	27	86			050000

OPERATING MODE (9) 1

POWER LEVEL (10) 0.09

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. (Check one or more of the following) (11)

20.402(b)	20.405(i)	X	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(ii)	50.38(a)(1)		50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(iii)	50.38(a)(2)		50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text NRC Form 386A)
20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(vii)(A)	
20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(vii)(B)	
20.405(a)(1)(vi)	50.73(a)(2)(iv)		50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME T. A. KRIESEL - TECHNICAL PHYSICAL SCIENCES DEPARTMENT SUPERINTENDENT

TELEPHONE NUMBER AREA CODE 616465 - 5901

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFAC TURE	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFAC TURE	REPORTABLE TO NRC

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 typewriter lines) (16)

ON FEBRUARY 7, 1986 AT 0218 HOURS WITH THE REACTOR COOLANT SYSTEM IN MODE 1 (POWER OPERATION) AT 9 PERCENT REACTOR THERMAL POWER, ERS 2303, THE TRAIN A LOWER CONTAINMENT AIRBORNE MONITOR, IODINE CHANNEL (IEEE/MON) HIGH ALARMED. THE HIGH ALARM RESULTED IN AN ESF ACTUATION WHICH WOULD HAVE RESULTED IN AN ISOLATION OF THE CONTAINMENT PURGE HAD THE CONTAINMENT PURGE SYSTEM BEEN IN SERVICE.

DURING THE TIME OF THE EVENT THE REACTOR THERMAL POWER WAS BEING INCREASED DUE TO UNIT STARTUP CAUSING THE LOWER CONTAINMENT IODINE LEVELS TO INCREASE TO THE POINT OF ALARM ACTUATION.

THE MONITOR WAS FUNCTIONING AS DESIGNED BY TRENDING THE INCREASING RADIATION LEVELS IN CONTAINMENT AT THE TIME OF THE EVENT.

THE IODINE CHANNEL HIGH ALARM SETPOINTS ARE NOT TECHNICAL SPECIFICATION RELATED. THE ESF ACTUATION OCCURS DUE TO THE HIGH ALARM SIGNAL. TO PREVENT THE UNNECESSARY ESF ACTUATION WHILE MAINTAINING THE ABILITY TO TRACK CONTAINMENT IODINE THE HIGH ALARM SETPOINT WAS SET AT MAXIMUM SCALE AND THE ALERT ALARM SETPOINTS WERE SET TO CORRESPOND WITH CURRENT RADIOLOGICAL CONDITIONS.

THE HEALTH AND SAFETY OF THE PUBLIC WAS NOT AFFECTED.

PREVIOUS OCCURRENCES OF A SIMILAR EVENT INCLUDE 316/85-031, 316/85-017, 315/85-055, 315/85-004, 315/84-012.

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PDR ADOCK 05000316
S PDR