

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D. C. COOK NUCLEAR PLANT - UNIT ONE										DOCKET NUMBER (2) 0 5 0 0 0 3 1 5					PAGE (3) 1 OF 011										
TITLE (4) ESF ACTUATION - SAFETY INJECTION																									
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	6	0	1	8	5	8	5	0	2	6	0	0	0	6	2	7	8	5	D. C. COOK, UNIT TWO				0 5 0 0 0 3 1 6		
													0 5 0 0 0												
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 C.F.R. § (Check one or more of the following) (11)																							
NA		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)											
POWER LEVEL (10)		01010				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)(vi)				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)(ix)															
LICENSEE CONTACT FOR THIS LER (12)																									
NAME K. R. BAKER - OPERATIONS SUPERINTENDENT										TELEPHONE NUMBER 6 1 6 4 1 6 5 - 1 5 9 0 1 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 JUNE 1, 1985, AT 2312 HOURS, WITH THE UNIT SHUTDOWN FOR REFUELING AND FUEL REMOVED FROM THE CORE, A SAFETY INJECTION SIGNAL OCCURRED, AN AUTOMATIC ACTUATION OF AN ENGINEERED SAFETY FEATURE (TECHNICAL SPECIFICATION 3.3.2.1, TABLE 3.3-3, ITEM 1.d).

THE SAFETY INJECTION ACTUATION WAS DUE TO A LOW PRESSURIZER PRESSURE SIGNAL ON TWO OF THE THREE PRESSURIZER PRESSURE CHANNELS. THIS WAS THE RESULT OF ONE CHANNEL BEING IN TEST FOR SURVEILLANCE TESTING, CONCURRENT WITH THE LOSS OF THE BLOCK SIGNAL TO ANOTHER CHANNEL. THE BLOCK SIGNAL WAS REMOVED WHEN A VITAL INSTRUMENT BUS BECAME MOMENTARILY DE-ENERGIZED WHILE BEING TRANSFERRED TO THE ALTERNATE POWER SOURCE.

SINCE ALL SAFETY SYSTEMS (IN BOTH UNITS ONE AND TWO) RESPONDED AS DESIGNED, IT IS CONCLUDED THAT THERE WERE NO ADVERSE SAFETY CONSEQUENCES/IMPLICATIONS DUE TO THIS EVENT.

TO PREVENT RECURRANCE: 1) A DESIGN CHANGE IS PRESENTLY BEING MADE IN UNIT ONE THAT WILL ALLOW A VITAL INSTRUMENT BUS TO BE TRANSFERRED TO THE ALTERNATE POWER SOURCE WITHOUT A LOSS OF POWER. (THE SAME CHANGE IS PLANNED FOR UNIT TWO DURING THE NEXT REFUELING OUTAGE.) AND 2) A PRECAUTION HAS BEEN ADDED TO THE VITAL INSTRUMENT BUS POWER SUPPLY TRANSFER PROCEDURE THAT ADVISES OPERATORS TO EVALUATE THE STATUS OF PROTECTION CHANNELS IN TEST OR TRIP PRIOR TO POWER TRANSFER.

PREVIOUS SIMILAR OCCURRENCES WERE REPORTED IN: 316/85-003, 316/84-024, 316/84-020, 315/84-018, 315/84-008 AND 315/SI-17.

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INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
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June 27, 1985

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Operating License DPR-58
Docket No. 50-315

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 85-026-0

Sincerely,

for W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
J.G. Keppler, RO:III
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