

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
D. C. COOK UNIT TWO

DOCKET NUMBER (2)
0 5 0 0 0 3 1 6

PAGE (3)
1 OF 0 2

TITLE (4)
ESF VENTILATION ACTUATION

EVENT DATE (6)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)			
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER(S)		
0 4	2 9	8 4	8 4	0 1 0	0 0	0 5	2 9	8 4		0 5 0 0 0		
										0 5 0 0 0		

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

OPERATING MODE (9)	20.402(b)	20.408(a)	<input checked="" type="checkbox"/>	90.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 1 0 0	20.408(a)(1)(i)	90.38(a)(1)	<input type="checkbox"/>	90.73(a)(2)(vi)	73.71(a)
	20.408(a)(1)(ii)	90.38(a)(2)	<input type="checkbox"/>	90.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 388A)
	20.408(a)(1)(iii)	90.73(a)(2)(i)	<input type="checkbox"/>	90.73(a)(2)(viii)(A)	
	20.408(a)(1)(iv)	90.73(a)(2)(ii)	<input type="checkbox"/>	90.73(a)(2)(viii)(B)	
	20.408(a)(1)(v)	90.73(a)(2)(iii)	<input type="checkbox"/>	90.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: K. R. BAKER, OPERATIONS SUPERINTENDENT

TELEPHONE NUMBER: 9 1 6 4 1 6 5 1 - 1 5 1 9 1 0 1 1

AREA CODE: 9 1 6

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

CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUF. TURER	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)

AUTOMATIC ACTUATION ON TRAIN "A" OF CONTAINMENT VENTILATION ISOLATION SYSTEM OCCURRED WHEN A CONTAINMENT AIR PARTICULATE RADIATION MONITORING CHANNEL (VRS-2301) EXCEEDED ITS HIGH ALARM SETPOINT. THIS SITUATION OCCURRED TWICE WITHIN A 49 HOUR PERIOD AND THE CAUSE OF EACH EVENT HAS BEEN ATTRIBUTED TO A CONSERVATIVE SETPOINT (RELATIVE TO NORMAL CHANNEL READINGS). AT THE TIME OF EACH EVENT, NO FUEL WAS PRESENT IN THE REACTOR VESSEL OR THE CONTAINMENT BUILDING. (UNDEFINED OPERATIONAL MODE)

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) D. C. COOK UNIT TWO	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	- 0 1 0	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

THE FIRST EVENT OCCURRED AT 2214 HOURS ON 4/29/84, THE SECOND AT 2218 ON 5/1/84. FOR EACH EVENT, EVEN THOUGH IT WAS NOT REQUIRED THE CONTAINMENT VENTILATION ISOLATION LOGIC WAS OPERABLE AND FUNCTIONED AS DESIGNED, I.E., 'TRIPPED THE TRAIN "A" CONTAINMENT PURGE SUPPLY AND EXHAUST VALVES CLOSED UPON RECEIPT OF A CONTAINMENT RADIATION MONITOR HIGH ALARM.

THE AIR PARTICULATE MONITOR INVOLVED WAS SET WITH A CONSERVATIVE (LOW) SETPOINT WHICH RESULTED IN THE HIGH ALARM EVEN THOUGH RADIATION LEVELS IN THE CONTAINMENT BUILDING WERE NOT ABNORMALLY HIGH OR UNEXPECTED. IN THE FIRST EVENT, THE SETPOINT FOR THE OFF-LINE MONITOR HAD BEEN DETERMINED USING READINGS OBTAINED SHORTLY AFTER THE FILTER HAD BEEN CHANGED AND WERE NOT REPRESENTATIVE OF ACTUAL RADIOLOGICAL CONDITIONS IN CONTAINMENT. IN THIS SENSE THE SETPOINT (7.46 E-3 MICRO Ci) WAS NOT A TRUE INDICATION OF NORMAL CHANNEL READINGS.

IN THE SECOND EVENT, THE MONITOR WAS RETURNED TO SERVICE AFTER 16 HOURS FOR B & C LEAK TESTING ON ITS SAMPLE VALVES AT WHICH TIME THE CONTROL ROOM OPERATOR NOT HAVING CURRENT DATA, USED THE PREVIOUS DAY'S SETPOINT. RADIOLOGICAL CONDITIONS IN THE CONTAINMENT HAD INCREASED (ALTHOUGH NOT SIGNIFICANTLY), SINCE THE DAY BEFORE SO THAT THE ALARM SETPOINT OF TWO TIMES NORMAL CHANNEL READINGS (2.38 E-2 MICRO Ci) WAS CONSERVATIVE.

PROCEDURAL CHANGES ARE PLANNED THAT WILL INCORPORATE A METHOD OF ESTABLISHING NORMAL CHANNEL READINGS USED TO CALCULATE SETPOINTS THAT ARE STATISTICALLY MORE REPRESENTATIVE OF ACTUAL CONDITIONS IN CONTAINMENT. THESE CHANGES WILL BE COMPLETED BY JUNE 15, 1984.



INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
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May 29, 1984

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

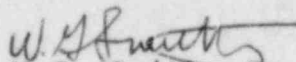
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Docket No. 50-316

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 84-010-0

Sincerely,


W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

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