

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D. C. COOK UNIT TWO										DOCKET NUMBER (2) 0 5 0 0 0 3 1 1 6				PAGE (3) 1 OF 2		
TITLE (4) CONTAINMENT PURGE ISOLATION																
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	4	1	4	8	4	0	0	6					0 5 0 0 0			
0	4	1	4	8	4	0	0	5	0 1 8 4				0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
6		20.402(b)				20.406(e)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)				
POWER LEVEL (10)		20.406(a)(1)(i)				50.38(e)(1)				50.73(a)(2)(v)		73.71(c)				
0 1 0 0		20.406(a)(1)(ii)				50.38(e)(2)				50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)						
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)						
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME K. R. BAKER; OPERATIONS SUPERINTENDENT										TELEPHONE NUMBER 611 16 416 5 1-15 19101						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURE	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS						
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)

THE FOLLOWING SIX INCIDENTS ARE BEING REPORTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50.73(a) (2) (iv) WHICH STATES: "ANY EVENT OR CONDITION THAT RESULTED IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF) INCLUDING THE REACTOR PROTECTION SYSTEM (RPS). HOWEVER, ACTUATION OF AN ESF, INCLUDING THE RPS, THAT RESULTED FROM AND WAS PART OF THE PREPLANNED SEQUENCE DURING TESTING OR REACTOR OPERATION NEED NOT BE REPORTED."

AT THE TIME OF THESE OCCURRENCES, THE CONTAINMENT PURGE PROCEDURE DID NOT ADDRESS EXPECTED RESULTS OR PREPLANNED SEQUENCES AS IDENTIFIED IN THE NUREG PARAGRAPHS. EACH UNIT'S PROCEDURE HAS BEEN REVISED TO IDENTIFY EXPECTED SITUATIONS WHICH WILL PREVENT THE NEED TO REPORT ANY SIMILAR INCIDENTS OF THIS NATURE.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO 3150-0104

EXPIRES 8/31/85

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 0 6	— 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 368A's) (17)

- INCIDENT #1 - AT 1027 ON 4/15/84, A HIGH ALARM AND SUBSEQUENT TRIP WAS RECEIVED FROM THE UPPER CONTAINMENT AREA RADIATION MONITOR RESULTING IN THE AUTOMATIC ISOLATION OF CONTAINMENT PURGE. A CONTRACTOR WAS DECONNING THE REACTOR CAVITY AND PLACED TRASH NEAR THE RADIATION MONITOR CAUSING THE TRIP. WHEN THE TRASH WAS REMOVED, THE RADIATION LEVELS RETURNED TO NORMAL.
- INCIDENT #2 - AT 0440 ON 4/14/84, WHILE PERFORMING THE DAILY SURVEILLANCE ON THE RADIATION MONITORING SYSTEM, THE UNIT SUPERVISOR INADVERTANTLY ADJUSTED THE TRIP SETPOINT FOR THE LOWER CONTAINMENT RADIOGAS CHANNEL TO BELOW THE MINIMUM TRIP SETPOINT. THIS CAUSED A HIGH ALARM WHICH RESULTED IN A CONTAINMENT PURGE ISOLATION. THE OPERATOR VERIFIED THE AUTOMATIC ACTIONS OF THE PURGE ISOLATION AND SUBSEQUENTLY RESET THE SYSTEM. THE SETPOINT WAS ADJUSTED IN THE CONSERVATIVE DIRECTION AND WAS LESS THAN THE TWO TIMES BACKGROUND REQUIRED BY THE TECHNICAL SPECIFICATIONS. THIS INCIDENT WAS DISCUSSED WITH THE EMPLOYEE.
- INCIDENT #3 - AT 2205 ON 4/14/84, A CONTAINMENT PURGE ISOLATION OCCURRED WHEN THE UPPER CONTAINMENT AREA MONITOR TRIPPED ON A HIGH ALARM. THE HIGH ALARM WAS DUE TO THE REMOVING OF THE UPPER INTERNALS. THE OPERATORS VERIFIED THE AUTOMATIC ACTIONS OF THE ISOLATION.
- INCIDENT #4 - AT 0630 ON 4/16/84, A CONTAINMENT PURGE ISOLATION OCCURRED WHEN THE UPPER CONTAINMENT AREA MONITOR ALARMED HIGH. THE HIGH ALARM WAS DUE TO THE LOWERING OF THE REFUELING CAVITY WATER LEVEL IN ORDER TO PERFORM AN ECCS FULL FLOW TEST WITH THE UPPER INTERNALS REMOVED.
- INCIDENT #5 - AT 1906 ON 4/18/84, A CONTAINMENT PURGE ISOLATION OCCURRED WHEN THE LOWER CONTAINMENT AIR PARTICULATE MONITOR ALARMED HIGH. THE BACKGROUND READINGS HAD BEEN INCREASING DUE TO VENTILATION BEING OFF FOR SEVERAL HOURS FOR A BLACKOUT TEST. OPERATORS VERIFIED AUTOMATIC ACTIONS OF THE ISOLATION AND NOTIFIED RP TO TAKE AIR SAMPLES.
- INCIDENT #6 - AT 1915 ON 4/21/84, A CONTAINMENT PURGE ISOLATION OCCURRED WHEN THE UPPER CONTAINMENT AREA MONITOR ALARMED HIGH. THE HIGH ALARM WAS DUE TO THE LOWERING OF THE REFUELING CAVITY LEVEL WITH THE UPPER INTERNALS OFF.



**INDIANA & MICHIGAN ELECTRIC COMPANY**

DONALD C. COOK NUCLEAR PLANT  
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(616) 465-5901

May 1, 1984

United States Nuclear Regulatory Commission  
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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 84-006-0

Sincerely,

*E L Townley*

*for* W.G. Smith, Jr.  
Plant Manager

/cbm

Attachment

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