



Commonwealth Edison
Dresden Nuclear Power Station
6500 North Dresden Road
Morris, Illinois 60450
Telephone 815/942-2920

August 31, 1994

RLBLTR 94-0006

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Licensee Event Report 94-014-01, Docket 50-249 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10CFR50.73(a)(2)(iv).

Sincerely,

Richard L. Bax
Unit 3 Station Manager
Dresden Station

RLB/GP:cfq

Enclosure.

cc: J. Martin, Regional Administrator, Region III
NRC Resident Inspector's Office
File/NRC
File/Numerical

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NRC FORM 366 (5-92)			U.S. NUCLEAR REGULATORY COMMISSION			APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95				
LICENSEE EVENT REPORT (LER)						ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.				
FACILITY NAME (1) Dresden Nuclear Power Station, Unit 3					DOCKET NUMBER (2) 05000249		PAGE (3) 1 OF 3			
TITLE (4) Unit 3 Torus/Reactor Building Relief Valves Cycled due to Personnel Error										
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 NAME	DOCKET NUMBER
07	14	94	94	-- 014 --	01	08	30	94	None	
OPERATING MODE (9)		N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)						
POWER LEVEL (10)		000		20.2201(b)		20.2203(a)(3)(i)		50.73(a)(2)(iii)		73.71(b)
				20.2203(a)(1)		20.2203(a)(3)(ii)	X	50.73(a)(2)(iv)		73.71(c)
				20.2203(a)(2)(i)		20.2203(a)(4)		50.73(a)(2)(v)		OTHER
				20.2203(a)(2)(ii)		50.36(c)(1)		50.73(a)(2)(vii)		(Specify in Abstract below and in Text, NRC Form 366A)
				20.2203(a)(2)(iii)		50.36(c)(2)		50.73(a)(2)(viii)(A)		
				20.2203(a)(2)(iv)		50.73(a)(2)(i)		50.73(a)(2)(viii)(B)		
				20.2203(a)(2)(v)		50.73(a)(2)(ii)		50.73(a)(2)(x)		
LICENSEE CONTACT FOR THIS LER (12)										
NAME Greg Petrovic, Operations Staff						Ext. 3691		TELEPHONE NUMBER (Include Area Code) (815) 942-2920		
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
SUPPLEMENTAL REPORT EXPECTED (14)						EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE).				X NO						

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On July 14, 1994, with Unit 3 in a refueling outage, the Torus Vacuum Breakers, 1601-20A and 1601-20B, cycled due to negative pressure in the suppression chamber. The cause of the event was due to closing the torus hatches with the Drywell and Torus Purge fan in operation while aligned to the torus only. The vacuum breakers began to cycle when the torus reached approximately -0.46 pounds per square inch differential (psid) between the reactor building and the torus. The Technical Specification requires the vacuum breakers operate at -0.5 psid between the reactor building and torus. The Unit 3 Nuclear Station Operator (NSO) was alerted by actuation of the "TORUS VACUUM RELIEF VALVE NOT CLOSED" annunciator alarm, and he observed the vacuum breakers cycling. Also, the Mechanical Maintenance Department personnel, responsible for closing the last torus hatch, observed the vacuum breakers cycling and called the control room to inform the operator. The Unit 3 NSO closed the 18 inch torus purge suction valve, 1601-60, and the torus vacuum breakers stopped cycling within approximately 20 seconds.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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Dresden Nuclear Power Station, Unit 3		05000249		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
				94	-- 014 --	01
						3 OF 3

TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

During the operations department midnight to day shift turnover, the midnight SCRE informed the oncoming Control Room Outage Engineer (CROE) of the reactor building to torus vacuum breaker operation. The oncoming CROE believed the event should be reportable and discussed the event with the oncoming Shift Engineer. After looking up the event in the Reportability Manual, the CROE decided that an Emergency Notification System (ENS) telephone call was required. The notification was made on 7/14/94 at 0739 hours.

C. CAUSE OF EVENT:

This report is submitted in accordance with 10CFR50.73 (a)(2)(iv), which requires reporting of any event that results in automatic or manual actuation of any Engineered Safety Feature (ESF). This event occurred because the work package did not ensure the plant was in the proper configuration to perform the evolution. The SOM did not recognize the possibility of pulling a vacuum on the torus when the hatches were closed, which contributed to this event. Contributing causes of the event also include not informing the control room of the plan to close the torus hatches.

There has been one previous occurrence of an inadvertent opening of the torus-to-reactor building vacuum breakers; however, the cause was a wrong component error by an instrument mechanic.

D. SAFETY ANALYSIS:

The safety significance of this event is minimal because the reactor to torus vacuum breakers performed as designed to prevent exceeding the torus design pressure. Also the torus ventilation lineup with the torus hatches open is only done when primary containment is not required.

E. CORRECTIVE ACTIONS:

The maintenance package used to open and close the torus hatches will be revised to notify the control room to verify ventilation lineup before closing the torus hatches due to the possibility of drawing a vacuum and cycling vacuum breaker valves. The event will be reviewed in licensed operator continuing training. Training will address the circumstances that resulted in drawing a vacuum in the torus, the reportability requirements when the vacuum breaker is actuated, and the responsibilities of shift personnel to inform the Control Room of work being performed in the plant. Corrective actions to prevent similar occurrences when maintenance activities are in progress have been evaluated. We believe this to be an isolated incident and no further corrective actions are required.

F. PREVIOUS OCCURRENCES:

None.

G. COMPONENT FAILURE DATA:

None.