

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)										DOCKET NUMBER (2)										PAGE (3)																													
Dresden Nuclear Power Station Unit 2										0 5 0 0 0 2 3 7										1 0 0 2																													
TITLE (4) Reactor Building Ventilation Isolation From Fuel Pool Monitor Downscale Trip																																																	
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)										
																													Dresden Unit 3										0 5 0 0 0 2 4 9										
1 0			0 2			8 5				8 5			0 3 6			0 0			1 0			3 0			8 5				N/A										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)																																							
N										20.402(b)										20.405(e)										X 50.73(a)(2)(iv)										73.71(b)									
POWER LEVEL (10)										20.405(a)(1)(ii)										50.36(e)(1)										50.73(a)(2)(v)										73.71(c)									
0 0 0										20.405(a)(1)(iii)										50.36(e)(2)										50.73(a)(2)(vi)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
										20.405(a)(1)(iv)										50.73(a)(2)(i)										50.73(a)(2)(vii)(A)																			
										20.405(a)(1)(v)										50.73(a)(2)(ii)										50.73(a)(2)(vii)(B)																			
										20.405(a)(1)(vi)										50.73(a)(2)(iii)										50.73(a)(2)(ix)																			
LICENSEE CONTACT FOR THIS LER (12)																																																	
NAME																				TELEPHONE NUMBER																													
Jerry F. Lizalek X-421																				AREA CODE 8 1 5 9 4 2 - 2 9 2 0																													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																	
CAUSE			SYSTEM			COMPONENT			MANUFACTURER			REPORTABLE TO NPDOS			CAUSE			SYSTEM			COMPONENT			MANUFACTURER			REPORTABLE TO NPDOS																						
X												N																																					
SUPPLEMENTAL REPORT EXPECTED (14)																																																	
YES (If yes, complete EXPECTED SUBMISSION DATE)																				X NO										EXPECTED SUBMISSION DATE (15)																			
																														MONTH DAY YEAR																			

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

With Unit 2 in the shutdown mode at 1107 hours on 10-2-85, the Reactor Building Ventilation System tripped and isolated with the Standby Gas Treatment (SBGT) System automatically starting as required. The Unit 3 Reactor Building Ventilation System was immediately tripped and isolated per Operating Order 1-85. This event was in response to the Reactor Building Fuel Pool Radiation Monitors Channels A & B both being downscale. Work Request #47843 was initiated to investigate and correct the problem. The investigation could not determine the immediate problem. The reactor building ventilation trip was reset, the SBGT System was secured, and Work Request 47843 was cancelled. On 10-15-85, at 1620 hours, this event recurred. Deviation Report 12-2-85-126 was written. Again, a work request (#48167) was initiated to investigate and repair the problem. It was discovered that the "A" channel connector was loose. The loose connector resulted in a spurious downscale trip signal. In addition, the "B" channel trip point was at the low end of the tolerance level, resulting in a spurious downscale trip signal from a low background radiation field. The anomalies were corrected, the SBGT system was secured, and the reactor building ventilation system was reset. This event was of minimal safety significance since the SBGT system auto-started as required. First occurrence of this type.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Dresden Nuclear Power Station Unit 2	0 5 0 0 0 2 3 7	8 5	- 0 3 6	- 0 0	0 2	OF 0 2

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

With Unit 2 in the shutdown mode, at 1107 hours on 10-2-85, the Reactor Building Ventilation System tripped and isolated with the Standby Gas Treatment (SBGT) System automatically starting as required. The Unit 3 Reactor Building Ventilation System was immediately tripped and isolated per Operating Order 1-85. This ventilation trip was caused by the reactor building fuel pool radiation monitors Channel A & B both tripping downscale. Work Request #47843 was initiated to investigate and correct the problem, but the investigation could not determine the cause. The reactor building ventilation downscale trip was reset, the SBGT system was secured, and the work request was cancelled. On 10-15-85, at 1620 hours, the event recurred. Deviation Report 12-2-85-126 was written. The Station Control Room Engineer (SCRE) failed to make the required 4-hour ENS phone call due to a misunderstanding between shift personnel. The SCRE mistakenly believed that an ENS phone call was not necessary because SBGT had been running for surveillance testing when the ventilation trip occurred. The SCRE on the following shift was notified of the event, and the appropriate telephone call to the NRC was made several hours later. A second work request (#48167) was initiated to investigate and repair the problem. The second investigation of the event revealed that a wire in the "A" Channel connector going to the ARM sensor converter unit was loose. The loose connector resulted in a spurious downscale trip signal. In addition, the "B" Channel trip point was at the low end of the tolerance level, resulting in a spurious downscale trip signal from a low background radiation field. The "A" Channel monitor was promptly repaired, and the "B" Channel monitor was recalibrated per DCP 2700-12. With the anomalies corrected, the SBGT system was secured, and the Reactor Building Ventilation System reset. This event was of minimal safety significance since the SBGT system automatically started as required. This is a first occurrence of this type concerning downscale trip of the refuel floor area radiation monitors.



**Commonwealth Edison**

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

October 30, 1985

DJS LTR: #85-1026

U.S. Nuclear Regulatory Commission  
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Licensee Event Report #85-036-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73(a)(2)(iv).

D. J. Scott  
Station Manager  
Dresden Nuclear Power Station

DJS:rme

Enclosure

cc: J. G. Keppler, Regional Administrator, Region III  
File/NRC  
File/Numerical

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