NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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 OF 0 2

TITLE (4)

Reactor Building/Turbine Building 517' Interlock Door Failure

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 1	0 3	8 5	8 5	0 0 2	0 2	0 3	2 1	8 5	Dresden Nuclear Power Station - Unit 3	0 5 0 0 0 2 4 9
									N/A	0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		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)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	X 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Leslie Turnquest (X-489)	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X											

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 fifteen single-space typewritten lines) (16)

During a normal Unit 2 refueling outage and normal Unit 3 power operation, the control room received the Reactor/Turbine 517' Interlock alarm, indicating the Unit 2 interlock doors were simultaneously open. Secondary containment was momentarily broken, but was immediately re-established when personnel in the interlock promptly pushed the Turbine Building door closed. The Turbine Building door was closing too quickly and bouncing back open, while the Reactor Building door was permitted to be opened. The closure arms for the interlock doors were adjusted to allow slower closing of the doors. The interlock functioned as designed, and no further problems were noted.

IE22
1/1

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 0 2	— 0 2	0 2 OF 0 2

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

During a normal Unit 2 refueling outage and normal Unit 3 power operation on 1/3/85, at 1245 hours, the Reactor/Turbine 517' Interlock Doors Inop/Bypass alarm E-19 annunciated in the control room. Coincidentally, plant personnel were exiting the Reactor Building through the Unit 2 interlock doors. As they entered the interlock, they noticed that the Turbine Building door was still open at the same time the Reactor Building door was open. Secondary containment was momentarily broken, but was immediately re-established when personnel quickly pushed the Turbine Building door closed. Both Unit 2 and Unit 3 were affected, since they share a common secondary containment. Safety significance was minimal due to the short duration that secondary containment was lost.

A Foreman, investigating the problem, found the interlock functioning as designed, but also noticed that the doors were closing too quickly and consequently bouncing back. It appears that when the Turbine Building door closes, it makes contact long enough, before bouncing back, to energize the relay mechanism that permits the Reactor Building door to be opened. Provided the Reactor Building door button is depressed during that time, the door will open. The Turbine Building door, as it bounces, will also remain open due to the negative pressure in the Reactor Building with respect to the Turbine Building. The problem was corrected by adjusting the Reactor and Turbine Building door closure arms in order to allow the doors to close more slowly and eliminate bouncing. The door closures are adjusted in conjunction with building pressures to allow for proper closing of the doors but changing conditions with the ventilation systems may require adjustment. Modifications M12-2-85-9 and M12-3-85-9 have also been initiated in order to install time delay relays that will require one door to be closed for approximately 2 seconds before the other door can be opened. This will prevent simultaneous opening of the interlock doors in the event the interlock doors bounce when closed.

Previous occurrence was reported by R.O 84-024-0 on Docket 50-237.

Commonwealth Edison
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Morris, Illinois 60450
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March 19, 1985

DJS Ltr #85-309

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

An update to Licensee Event Report #85-002-2, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(i)(B). This report is being submitted to revise the text to include why Unit 3 was affected by this event.

D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS/kjl

Enclosure

cc: J.G. Keppler, Regoinal Administrator, Region III
File/NRC
File/Miscellaneous

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