NRC For (9-83)	- 366					LIC	ENSE	E EVE	NT RE	PORT	(LER)	U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMS NO. 3150-0104 EXPIRES: 8/31/85										
FACILIT	Y NAME (1)	-				-					DOCKET TUMBER	(2)		PA	GE (3)						
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TITLE (4	4															-						
			r	Build	ling/Tu	rbine Bu	ildi	ng 51	7' In	terlo	ck Door F	ailure										
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(10) 01010			20.408(a)(1)(iii) X				80.36(_	80.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form									
			-			A	80.73(4			-	90,73(a)(2)(viii)			366A)								
					60,734			-	80,73(s)(2)(vik)	(8)												
				20.406	a)(1)(v)		-)(2)(W)	FOR THE		96.73(a)(2)(x)		_									
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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.

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NRC Form 366A

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104

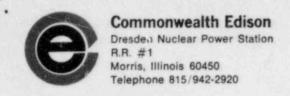
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

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.



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

TEZZ