

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Dresden Nuclear Power Station	DOCKET NUMBER (2) 0 5 0 0 0 2 3 7	PAGE (3) 1 OF 0 2
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TITLE (4)
Bus 23-1 to Bus 23 Breaker Protective Relaying

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 4	8 5	8 5	0 0 1	0 0	0 1	3 0	8 5	N/A		0 5 0 0 0
									N/A		0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (9) N	20.402(b)	20.408(a)	90.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 1 0 1 0	20.408(a)(1)(i)	90.36(a)(1)	90.73(a)(2)(v)	73.71(e)
	20.408(a)(1)(ii)	90.36(a)(2)	90.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
	20.408(a)(1)(iii)	90.73(a)(1)(i)	90.73(a)(2)(viii)(A)	
	20.408(a)(1)(iv)	X 90.73(a)(2)(ii)	90.73(a)(2)(viii)(B)	
	20.408(a)(1)(v)	90.73(a)(2)(iii)	90.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Ronald Jackson	TELEPHONE NUMBER (X-549)	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 NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
A				N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (16)	MONTH	DAY	YEAR

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

During unit refueling outage, the 4 KV breaker 2329 (Bus 23-1 main feed breaker) failed to trip open while the Operational Analysis Department (OAD) was conducting breaker differential relay testing. Safety significance was minimal since there was redundant tripping logic that would have operated the breakers in an identical manner for a differential fault and the unit was in a refueling outage.

The cause of the breaker failure was cut wires in the tripping logic. In reviewing the breaker's work history since the last successful test (3/8/83), it was found that no work was performed during this period. Thus, the reason for the cut wires is unknown. A work request was written to correct the problem and the wires were subsequently reconnected. After successful testing, the breaker was returned to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	- 0 0 1	- 0 0	0 2	OF	0 2

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

During unit refueling outage, the 4 KV breaker 2329 (Bus 23-1 main feed breaker) failed to trip open while the Operational Analysis Department (OAD) was conducting breaker differential relay testing. The OAD Test Engineer inspected the breaker's trip logic and found four (4) cut wires. These wires were connected to breaker 2302 lockout relay contact in the tripping logic of breaker 2329. A survey of differential current relays on bus 24-1, 34-1 and 33-1 was made and all were intact. In addition, OAD has tested other similar breakers and found no problems. They plan to test the remaining seven 4 KV breakers prior to unit startup. The Unit Three 4 KV breakers were tested since the last cycle and no problems of this type were identified. Therefore, it is believed that this incident was an isolated case.

OAD staff indicated successful tripping of the breaker when the identical test was performed during the previous refueling outage (3/8/83). A review of the breaker's work history revealed no work conducted since that time. Thus, the reason for the cut wires is unknown. The wires were reconnected and the breaker tripped successfully when tested.

Despite the cut wires in the tripping logic of breaker 2329, the breaker would have still tripped on a differential fault. This would have occurred from the energizing of the lock-out relay which trips breaker 2302, consequently tripping breaker 2329 through the B auxiliary contact of breaker 2302. Because of this redundancy, the safety significance was minimal. First occurrence of this type at Dresden.



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Telephone 815/942-2920

January 30, 1985

DJS LTR #85-110

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

Licensee Event Report #85-001-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(ii).

D.J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS/kjl

Enclosure

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

IE22
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