

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	
TITLE (4) Fire Doors in Degraded Condition																					
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)									
1	1	0	6	8	5	8	5	0	4	2	0	0	1	2	1	2	8	5	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) 01618			20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)						
			20.405(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)						
			20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vi)				X OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
			20.405(a)(1)(iii)				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)(ix)										
LICENSEE CONTACT FOR THIS LER (12)																					
NAME S. Merritt										TELEPHONE NUMBER 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 NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC											
X				N																	
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)																					
<p>The 1978 SER (Safety Evaluation Report) by the Office of Nuclear Reactor Regulation U.S. Nuclear Regulatory Commission in the Matter of Commonwealth Edison Company Dresden Nuclear Power Station Units 2 and 3 Dockets 237/249 dated March 1978, contains commitments to perform certain modifications based upon the 1978 NRC on-site review of Dresden's fire protection program. As part of Dresden Station's ongoing Appendix R Program, the 1978 Fire Protection SER is presently being re-evaluated. Section 3.1.8 of the 1978 SER, Summary of Modifications and Incomplete Items; Fire Doors addressed areas which required fire doors having Class A (3 hour) ratings. UL-listed 3 hour rated fire doors were purchased and installed at each of the locations. Presently, three fire doors exist in a modified form since the original installation.</p> <p>On 11/6/85, the Unit 2 diesel generator day tank room fire door, the auxiliary electrical equipment room west fire door, and the Unit 2 turbine building access fire door to transformers 21 and 22 were inspected to determine if each could meet UL-listed fire ratings. At 1400 hours the Unit 2 diesel generator day tank room fire door and the auxiliary electrical equipment room west fire door were determined to be degraded. At 1605 hours, the Unit 2 turbine building access fire door was also found to be degraded. A fire watch was established immediately per Technical Specification 3.12.F.2 and will continue until the doors are replaced. This report is being written to satisfy requirements of Technical Specification 3.12.F.4 which requires a written report be submitted if the non-functional fire barrier penetration is not returned to operable status within 7 days. The safety significance is minimal; each of the areas is provided with adequate fire suppression systems.</p>																					
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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 4 2	— 0 0	0 2	OF	0 2

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

The 1978 SER (Safety Evaluation Report) by the Office of Nuclear Reactor Regulation U.S. Nuclear Regulatory Commission in the Matter of Commonwealth Edison Company Dresden Nuclear Power Station Units 2 and 3 Dockets 237/249 dated March 1978 contains commitments to perform certain modifications based upon the 1978 NRC on-site review of Dresden's fire protection program. As part of the station's ongoing Appendix R Program, the 1978 fire protection SER is presently being re-evaluated. Under Section 3.0 Summary of Modifications and Incomplete Items; Fire Doors (Section 3.1.8) states that the diesel generator rooms, auxiliary electrical equipment room, and the turbine building access to transformers 21 and 22 would be provided with Class A rated fire doors. UL-listed 3 hour rated fire doors were purchased and installed at each of the locations.

The configuration of each of the following fire doors has been modified since the original installation: the diesel generator day tank room fire door, the auxiliary electrical equipment room west fire door, and the Unit 2 turbine building access fire door to transformers 21 and 22.

On 11/6/85, the Commonwealth Edison Company (CECo) Fire Protection Engineer from Technical Services Nuclear Department inspected the fire doors to determine if the doors met UL-listed fire standards. At 1400 hours, the fire door located north of the Unit 2 turbine trackway access to transformers 21 and 22 and the west fire door of the auxiliary electrical equipment room were determined to be degraded. At 1605 hours, the Unit 2 diesel generator day tank room fire door was determined to be degraded. A fire watch was established immediately per Technical Specification 3.12.F.2; Each door did not meet the specified design criteria for a fire door.

The UL-listed 3 hour rated fire door label was no longer visible on the turbine building access fire door (the label rivets are still intact). During the installation of a concrete curb below the auxiliary electrical equipment room west fire door, in accordance with the 1978 SER (M12-2/3-78-6), a section of the door was cut off. A metal plate was tack welded to its bottom edge. Test data for this modified configuration does not exist. Therefore, it could not be verified as having a 3 hour fire rating.

The Unit 2 diesel generator day tank room fire door was also apparently cut off during its original installation. Therefore, it also could not be verified as having a 3 hour fire rating. A work request was initiated. Each fire door will be replaced with a UL-listed 3 hour rated fire door by March 1986. The fire watch will continue until installation is completed. This report is being written to satisfy the requirements of Technical Specification 3.12.F.4 which requires a written report be submitted if the non-functional fire barrier penetration is not returned to operable status within 7 days.

Safety significance is minimal since, each fire door, although degraded, would provide substantial fire resistance. The Unit 2 diesel generator room is protected with an automatic CO₂ fire suppression system. The auxiliary electrical equipment room is protected by an automatic Halon system and a CO₂ backup suppression system. The turbine building access fire door to transformers 21 and 22 is designed to protect against an exposure fire in the transformer bay. The transformers are protected by a deluge sprinkler system which would reduce exposure to the door. In addition, the general area of the Unit 2 trackway is protected by a wet pipe sprinkler system.



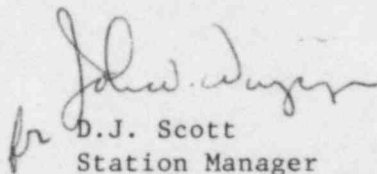
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December 12, 1985

DJS Ltr #85-1154

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

Licensee Event Report #85-042-0, Docket #050237 is being submitted as required by Technical Specification 3.12.F.4.



D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS/kjl

Enclosure

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

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11