

L I C E N S E E E V E N T R E P O R T (L E R)

FACILITY NAME (1) Arkansas Nuclear One, Unit Two										DOCKET NUMBER (2) PAGE (3) 101510101 31 61 8110F1012														
TITLE (4) Inoperable Penetration Fire Barrier Dampers																								
EVENT DATE (5)					LER NUMBER (6)					REPORT DATE (7)					OTHER FACILITIES INVOLVED (8)									
Month	Day	Year	Year		Sequential	Revision	Number	Number	Month	Day	Year	Facility Names					Docket Number(s)							
01	6	21	84		0	1	6		0	7	21						01510101							
OPERATING THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §:																								
MODE (9) 1 (Check one or more of the following) (11)																								
POWER					20.402(b)					20.405(c)					50.73(a)(2)(iv)					73.71(b)				
LEVEL					20.405(a)(1)(i)					50.36(c)(1)					50.73(a)(2)(v)					73.71(c)				
(10) 1 0 0					20.405(a)(1)(ii)					50.36(c)(2)					50.73(a)(2)(vii)					Other (Specify in				
					20.405(a)(1)(iii)					X 50.73(a)(2)(i)					50.73(a)(2)(viii)(A)					Abstract below and				
					20.405(a)(1)(iv)					50.73(a)(2)(ii)					50.73(a)(2)(viii)(B)					in Text, NRC Form				
					20.405(a)(1)(v)					50.73(a)(2)(iii)					50.73(a)(2)(x)					366A)				
LICENSEE CONTACT FOR THIS LER (12)																								
Name										Telephone Number														
Donald B. Lomax, Plant Licensing Supervisor										Area														
										Code														
										1510119161413110101														
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																								
Cause	System	Component	Manufacturer	Reportable	Cause	System	Component	Manufacturer	Reportable															
X	VF	DMP	AI	3140																				
SUPPLEMENT REPORT EXPECTED (14)																								
[X] Yes (If yes, complete Expected Submission Date)										[] No														
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)										DATE (15) 1 0 1 9 8 4														

On 6/21/84, at 1600 hours with the unit at 100% full power (FP), a penetration fire barrier damper failed to completely close upon fusible link removal. This damper was manufactured by American Warming and Ventilating Inc. (EIIIS code VF-DMP-A340) and is located in an exhaust air heating, ventilation, and air conditioning (HVAC) duct for the D.C. electrical equipment room. Damper inoperability was discovered during an engineering inspection by a site contractor to obtain damper fusible link rating data and damper operability verification for a design change package. A fire watch had previously been posted in the area since 5/4/84. Further investigation of the failure of the damper is being performed. There have been no similar occurrences.

IE22-11

Expires: 8/31/85

On 6/21/84, at 1600 hours with the unit at 100% FP, a penetration fire barrier damper failed to completely close upon fusible link removal. This damper was manufactured by American Warming and Ventilating Inc. (EIS code VF-DMP-A340) and is located in an exhaust air HVAC duct for the D.C. electrical equipment room. Damper inoperability was discovered during an engineering inspection by a site contractor to obtain damper fusible link rating data and damper operability verification for a design change package. A fire watch had previously been posted in the area since 5/4/84. Testing of the damper and a redundant damper at the penetration location was performed on 6/22/84. The damper originally determined inoperable repeatedly failed to close completely during trip testing both before and after cleaning and inspection of the damper blades. No visible problem could be detected which would cause this type failure. The redundant damper in the HVAC duct at the penetration also repeatedly failed to close completely during the testing performing on 6/22/84. During inspection, a metal shaving attached to a pivot section of the damper blades was found and removed. This damper then closed completely during each subsequent trip test. Each damper has a three hour fire rating, therefore, three hour barrier capability was reestablished after testing completion. Further investigation of the failure of the damper is being performed. There have been no similar occurrences.



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U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 84-016-00

Gentlemen:

In accordance with 10CFR50.73(a)(2)(i), attached is the subject report concerning fire barrier deficiencies.

Very truly yours,

John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard C. DeYoung
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Norman M. Haller, Director
Office of Management & Program Analysis
U. S. Nuclear Regulatory Commission
Washington, DC 20555

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