

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)
051010101 31 61 8110F1012

TITLE (4) Breach of Fire Barrier

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)												
Month	Day	Year	Sequential Number	Revision Number	Month	Day	Year	Facility Names	Docket Number(s)												
01	31	01	2	81	41	--	0	11	51	--	0	1	0	01	71	21	31	81	41	051010101	

OPERATING MODE (9) 1 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

POWER LEVEL (10) 111010	20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(c)	50.36(c)(1)	50.36(c)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(x)	73.71(b)	73.71(c)	Other (Specify in Abstract below and in Text, NRC Form 366A)
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LICENSEE CONTACT FOR THIS LER (12)
Name Patricia L. Campbell, Plant Licensing Engineer Telephone Number
Area
Code
51011916141 1311010

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

SUPPLEMENT REPORT EXPECTED (14)
EXPECTED SUBMISSION DATE (15) 01 81 31 11 81 4

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)
[X] Yes (If yes, complete Expected Submission Date) [] No

A breach of a required fire barrier was identified by plant engineering personnel while assisting in achieving an acceptable repair of what had originally been considered a cosmetic defect. It has been determined that this deficiency should have been identified as a breach during an earlier walkdown of fire barrier penetrations. As a result, a review of controlled documentation of the walkdown results is being performed by AP&L's Fire Protection Coordinator. At this time, one additional breach has been identified. Continuous fire watches were established as required. Repairs efforts are underway.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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Arkansas Nuclear One, Unit Two			Sequential	Revision	
		Year	Number	Number	
	0151010101 31 61 81	81 41	-- 0 11 5 --	0 0	01210F1012

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

On 6/22/84, with the unit at 100 percent power, while working on a request for engineering assistance in repairing a hole next to a duct penetrating a concrete masonry wall, a plant engineer determined that the hole constituted a breach of a fire barrier protecting a safety-related area, the D.C. electrical equipment room. The engineer took the required action by notifying the shift supervisor who established a continuous fire watch for the affected penetration within one hour. When the results of the fire barrier walkdown package were reviewed for this penetration, the reviewed indicated that on 3/2/84, it had been determined not to constitute a breach but with no documentation of the basis. When the individual who made this determination was questioned he could not remember his exact reasoning involving the determination; therefore, a second inspection was conducted. The original determination had taken credit for the bottom seal of the air duct chase to which the degraded seal is connected. Further review by plant engineering personnel determined this judgement to be incorrect and that the hole constituted a breach. The bottom seal of the duct chase is not an NRC rated fire barrier and no basis allows credit for a non-rated fire barrier. This is considered a cognitive human error because of the original evaluator's failure to determine that this hole constituted a breach. A review of controlled documentation of the walkdown packages by AP&L's fire protection coordinator was initiated to ensure that any other degradations identified by the inspectors were handled properly. As a result of this review a second breach was identified which is located in the piping penetration room and a fire watch was established as required by the Technical Specifications. This penetration was reviewed on 3/30/84, as being acceptable by the walkdown coordinator. Work is underway to repair the first breach, and the second breach repair is complete. The review of controlled documentation of the walkdown is continuing.

Both discrepancies were due to inadequate evaluation by the individuals conducting the original review. This was complicated by lack of guidelines in that the procedure for the walkdowns did not explicitly define what constituted a breach. Both of these breaches are in obscure locations which possibly contributed to the error.

A review of the Safe Shutdown Analysis for each area involved indicates that even with total loss of equipment, hot shutdown could be maintained and cold shutdown could be achieved with no adverse effects on safety.



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

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

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 84-015-00

Gentlemen:

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

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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