NRC FORM 366
(7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: | | | | | | | (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Entry
01	LICENSEE CODE: A R A N 0 1 — LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 — LICENSE TYPE: 4 1 1 1 1 — CAT:
01	REPORT SOURCE: L — DOCKET NUMBER: 0 5 0 0 0 3 1 3 — EVENT DATE: 0 3 2 9 8 2 — REPORT DATE: 0 9 2 5 8 4

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

02 On 3/29/82, while at cold shutdown with the decay heat system in service, the Reactor Building (RB) isolation
03 valve for the RB coolers chilled water supply, CV-6202, would not completely close during the stroke test
04 which is required by Technical Specification (T.S.) 4.4.1.4, this occurrence is reportable per T.S.
05 6.12.3.2(b).

Line	System Code	Cause Code	Cause Subcode	Component Code	Comp Subcode	Valve Subcode
09	A A	E	B	V A L V E X	X	X

LER/RO Report Number	Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No
17	8 2	---	0 0 8	/	0 3	X	---	1

Action Taken	Future Action	Effect on Plant	Shutdown Method	Hours	Attachment Submitted	NPRD-4 Form Sub	Prime Comp. Supplier	Component Manufacturer
D	X	Z	Z	0 0 0 0	Y	Y	A	V 0 9 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

10 The "O" - rings in the Pneumatic Relay in the air supply to valve CV-6202 failed and caused the relay to
11 go to an intermediate position. This prevented the valve CV-6202 from going fully closed or fully open,
12 because the failed Penumatic Relay provided both an air supply path and a vent path. The Pneumatic Relay
13 is installed in parallel with the air supply solenoid valves for the actuator of valve CV-6202 and is a
14 backup to assure valve closure upon loss of instrument air. The relay was repaired and reinstalled.

Line	Facility Status	% Power	Other Status	Method of Discovery	Discovery Description
15	G	0 0 0	Cold Shutdown	B	Routine Surveillance

Line	Activity Released	Content of Release	Amount of Activity	Location of Release
16	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line	Number	Type	Description
17	0 0 0	Z	NA

PERSONNEL INJURIES

Line	Number	Description
18	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY

Line	Type	Description
19	Z	NA

PUBLICITY

Line	Issued	Description
20	N	NA

NRC USE ONLY

NAME OF PREPARER: Patrick Rogers PHONE: (501) 964-3100

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PDR ADOCK 05000313
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U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

LER No. 50-313/82-008/03X-1

Occurrence Date: 03/29/82

Cause Description and Corrective Actions (Continued)

Functional checks proved satisfactory. Valve CV-6202 was tested and proved operable. Engineering evaluation of the failed Pnuematic Relay determined the failure mechanism to be "O" - ring breakdown due to oil impregnation. A design change in the air supply to the actuator of valve CV-6202, completed in April 1982, included relocating an oiler installed upstream of the actuator solenoid valves and pnuematic relay to a downstream location. No additional problems have been noted for this valve since completion of the design change.

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

September 25, 1984

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

Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Licensee Event Report
No. 82-008/03X-1

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 1 Technical Specification 6.12.3.2(b), attached is the subject report concerning the failure of the Reactor Building (RB) isolation valve for the RB coolers chilled water supply, CV-6202, to close properly. This is an update to a previous submittal dated April 21, 1982.

Very truly yours,

John R. Marshall

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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