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REPORT SOURCE 60 61 0 5 0 0 0 3 1 3 17 0 5 2 4 8 3 18 0 5 1 8 8 4 19  
DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

On 5/24/83, while performing annual surveillance testing on the electric driven emergency feedwater pump P-7B, I

103 | It was observed that the outboard thrust bearing temperature was high. The pump was declared inoperable.

05 179-007 and 78-003.

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7 8 9 SYSTEM CAUSE CAUSE 80

7 U | 9 | 8      9 H | H | 11      11 E | 12      12 9 | 13      13 P | U | M | P | X | X | 14      14 B | 15      15 Z | 16

REPORT	8	3	----	0	1	1	/	0	3	X	----	NO
NUMBER	21	22	23	24	25	26	27	28	29	30	31	32

TAKEN		ACTION		ON PLANT		METHOD		HOURS				SUBMITTED		FORM SUB		SUPPLIER		MANUFACTURER							
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33	18	34	19	35	20	36	21	37	0	0	0	0	40	41	23	42	24	43	25	44	0	7	47	5	26

Excessive thrust bearing clearance was found. This resulted in the balance drum being unbalanced and allowed

11 excessive thrust causing the bearing to overheat. The thrust bearing clearance was .013" while the allowable

1 2 | Tolerance range is .0005" - .002". The thrust bearing was replaced, and the clearance was set at .0005" In 1

1 3 | In addition, the bearing cooling lines were inspected and found clear of blockage. A documentation search indic

1 4 indicates that the previous "as-left" clearance was .002". Since no determination could be made as to who the

FACILITY	METHOD OF

	8	9	10	11	12	13	NA	30	B	31	Surveillance Test						32
								44	45	46							

ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE

1 6 8 9 10 11 NA 44 45 NA 36

PERSONNEL EXPOSURES			44	45	80
NUMBER	TYPE	DESCRIPTION			
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INDEX		DESCRIPTION	
1	7	0	0
8	9	0	0
10	11	37	2
12	13	38	NA

PERSONNEL INJURIES		80
NUMBER	DESCRIPTION	

NUMBER				DESCRIPTION
1	8	0	0	40 NA

LOSS OF OR DAMAGE TO FACILITY 80

TYPE		DESCRIPTION
1	9	2 42 NA

PUBLICITY

ISSUED		DESCRIPTION		NRC USE ONLY	
2	0	N 44	NA		

NAME OF PREPARER Dan E. Moeggenburg PHONE: (501) 964-3100

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PDR ADCK 05030313  
S PDR

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## LICENSEE EVENT REPORT

EXHIBIT A

LER No. 50-313/83-011/03X-1Occurrence Date: 5/24/83

## Cause Description and Corrective Actions (Continued)

clearance increased from .002" to .013", the thrust bearing clearance will be rechecked during the next cold shutdown to ascertain whether or not it remains within allowable tolerance. The increase in thrust was due to a "cushioning effect" caused by having an excessive number of shims installed. Procedures for this and similar equipment were changed to adequately address thrust clearance and torque value. In addition, a shim spacer was installed on both EFW pumps to alleviate the "cushioning effect".



ARKANSAS POWER & LIGHT COMPANY

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May 18, 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. 83-011/03X-1

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 1 Technical Specifications 3.4.1.4 and 6.12.3.2.b, attached is the subject report concerning excessive outboard thrust bearing temperature of the electric driven emergency feedwater pump P-7B. This is a revision to a previous submittal dated June 9, 1983.

Very truly yours,

John R. Marshall  
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard P. Denise, Director  
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and Engineering Programs  
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