	CONTROL BLOCK:
7 1 1 8	9 LICENSE CODE 14 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7 1 1 8	REPORT   L   16   0   5   0   0   0   3   1   3   7   0   5   2   4   8   3   8   1   2   0   5   8   4   9   SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
10121	EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10 [On 5/24/83, while performing annual surveillance testing on the electric driven emergency feedwater pump P-78, ]
1013	lit was observed that the outboard thrust bearing temperature was high. The pump was declared inoperable.
10141	This event is reportable per Technical Specifications 3.4.1.4 and 6.12.3.2.b. Similar LER's include (50-313)
10151	179-007 and 78-003.
10161	I SECTION OF THE PROPERTY OF T
10171	
10181	1
the second of th	SYSTEM   CAUSE   CAUSE   SUBCODE   COMPONENT CODE   SUBCODE   SU
	NUMBER $  2\overline{1}   \overline{22}   2\overline{3}   \overline{24}   \overline{126}   \overline{27}   \overline{28}   \overline{29}   \overline{30}   \overline{11}   \overline{12}   \overline{12}  $
TA	CTION FUTURE EFFECT SHUTDOWN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB SUPPLIER MANUFACTURER 3 34 35 36 37 37 30 30 30 30 30 30 30 30 30 30 30 30 30
11101	Excessive thrust bearing clearance was found. This resulted in the balance drum being unbalanced and allowed
IIII	lexcessive thrust causing the bearing to overheat. The thrust bearing clearance was .013" while the allowable
11121	tolerance range is .0005"002". The thrust bearing was replaced, and the clearance was set at .0005". In
11131	laddition, the bearing cooling lines were inspected and found clear of blockage. A documentation search indi-
7 8	cates that the previous "as-left" clearance was .002". Since no determination could be made as to why the
7 8	FACILITY  STATUS
11161	RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
/ 8	PERSONNEL EXPOSURES 44 45 80
17171	NUMBER TYPE DESCRIPTION   0   0   0   37   Z   38   NA
17181	NUMBER DESCRIPTION
7 8	10 1 0 1 0 140 1 NA 9 11 12 141
11191	LOSS OF OR DAMAGE TO FACILITY  TYPE DESCRIPTION  1 Z   42   NA 8412130370 841205 [43]
12101	PUBLICITY ISSUED DESCRIPTION  IN 144 I NA  PDR ADUCK 05000313 PDR  NRC USE ONLY 145
	NAME OF PREPARED
	NAME OF PREPARER Richard B. Thornton PHONE: (501) 964-3100

NRC FORM 366 (7-77)

LICENSEE EVENT REPORT

U.S. NUCLEAR REGULATORY COMMISSION

EXHIBIT A

LER No. 50-313/83-011/03X-2

Occurrence 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. Thrust bearing clearance was checked again on 07/12/83, and found to be .0045". 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". Thrust bearing clearance was checked on 09/09/83, and found to be .001", within the allowable tolerance



## ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000 December 5, 1984

## 1CAN1284Ø1

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-2

## 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 May 18, 1983.

Very truly yours,

J. Ted Enos

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