NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: | | | | | | | 1 6 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1		A	R	A	N	O	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
7	8	9	LICENSEE CODE					14	15	LICENSE NUMBER											25	26	LICENSE TYPE				30	57	CAT	58

0	1	REPORT SOURCE	L	6	0	5	0	0	0	3	1	3	7	0	5	2	4	8	3	8	0	5	1	8	8	4	9
7	8	60		61	DOCKET NUMBER								68	69	EVENT DATE				74	75	REPORT DATE				80		

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0	2	On 5/24/83, while performing annual surveillance testing on the electric driven emergency feedwater pump P-7B,
0	3	it was observed that the outboard thrust bearing temperature was high. The pump was declared inoperable.
0	4	This event is reportable per Technical Specifications 3.4.1 4 and 6.12.3.2.b. Similar LER's include (50-313)
0	5	79-007 and 78-003.
0	6	
0	7	
0	8	7 8 9 80

0	9	SYSTEM CODE	H	H	11	CAUSE CODE	E	12	CAUSE SUBCODE	S	13	COMPONENT CODE	P	U	M	P	X	X	14	COMP SUBCODE	B	15	VALVE SUBCODE	Z	16
7	8		9	10		11			12			13						18		19			20		

LER/RO 17 REPORT NUMBER	EVENT YEAR	8	3	21	22		23	SEQUENTIAL REPORT NO.	0	1	1	24	26		27	OCCURRENCE CODE	0	3	28	29	REPORT TYPE	X	30		31	REVISION NO	1	32

ACTION TAKEN	A	18	FUTURE ACTION	X	19	EFFECT ON PLANT	C	20	SHUTDOWN METHOD	Z	21	HOURS	0	0	0	0	22	ATTACHMENT SUBMITTED	Y	23	NPRD-4 FORM SUB	Y	24	PRIME COMP. SUPPLIER	A	25	COMPONENT MANUFACTURER	I	0	7	5	26
33			34			35			36			37				40		41			42			43			44				47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1	0	Excessive thrust bearing clearance was found. This resulted in the balance drum being unbalanced and allowed
1	1	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	3	addition, the bearing cooling lines were inspected and found clear of blockage. A documentation search indi-
1	4	cates that the previous "as-left" clearance was .002". Since no determination could be made as to why the
		7 8 9 80

FACILITY STATUS	C	28	% POWER	0	0	0	29	OTHER STATUS	NA	30	METHOD OF DISCOVERY	B	31	DISCOVERY DESCRIPTION	Surveillance Test	32
7	8	9	10			12	13			44	45		46			80

ACTIVITY RELEASED	Z	33	CONTENT OF RELEASE	Z	34	AMOUNT OF ACTIVITY	NA	35	LOCATION OF RELEASE	NA	36
7	8	9	10		11		44		45		80

PERSONNEL EXPOSURES

NUMBER	0	0	0	37	TYPE	Z	38	DESCRIPTION	NA	39
7	8	9		11	12		13			80

PERSONNEL INJURIES

NUMBER	0	0	0	40	DESCRIPTION	NA	41
7	8	9		11	12		80

LOSS OF OR DAMAGE TO FACILITY

TYPE	Z	42	DESCRIPTION	NA	43
					80

PUBLICITY

ISSUED	N	44	DESCRIPTION	NA	45	NRC USE ONLY
7	8	9	10		68	69 80

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

IE22

LER No. 50-313/83-011/03X-1

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. 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".

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May 18, 1984

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U. S. Nuclear Regulatory Commission
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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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1/1