NRC FORM 366
(7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

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

Line	Field	Value
01	LICENSEE CODE	A R A N 0 1
01	LICENSE NUMBER	0 0 - 0 0 0 0 0 - 0 0
01	LICENSE TYPE	4 1 1 1 1
01	CAT	
01	REPORT SOURCE	L
01	DOCKET NUMBER	0 5 0 0 0 3 1 3
01	EVENT DATE	0 2 2 7 8 2
01	REPORT DATE	1 0 3 1 8 4

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 On 2/27/82, while in power operations at 84% full power, diesel generator (DG) No. 2 failed to start during
03 its monthly surveillance test. The redundant DG No. 1 was proved operable. DG No. 2 was returned to service
04 within the time requirements of Technical Specification (T.S.) 3.7.2.c. This occurrence is reportable per
05 T.S. 6.12.3.2(b) and is similar to LERs 50-313/78-008 and 50-313/79-006.
06
07
08

Line	System Code	Cause Code	Cause Subcode	Component Code	Comp Subcode	Valve Subcode
09	E E	E	B	E N G I N E	Z	Z

17 LER/RO Report Number	Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No
	8 2	---	0 0 5	/	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
A	Z	Z	Z	0 0 0 0	Y	Y	A	G 1 0 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 The cause of the occurrence was determined to be a turbocharger failure. The turbocharger was replaced and
11 DG No. 2 was tested, proved operable, and returned to service. The failed turbocharger was returned to the
12 manufacturer for repair and failure evaluation. Inspection of the failed turbocharger during disassembly
13 by the manufacturer revealed failure of the compressor bearing, thrust bearing, and seals. The most probable
14 cause for these components failure is believed attributable to cumulative damage resulting (continued)

Line	Facility Status	% Power	Other Status	Method of Discovery	Discovery Description
15	E	0 8 4	NA	B	Operator Observation

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	NRC Use Only
20	N	NA	

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PDR ADOCK 05000313
S PDR

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LER No. 50-313/82-005/03X-1

Occurrence Date: 2/27/82

Cause Description and Corrective Actions (Continued)

from inadequate turbocharger lubrication during certain repeat start conditions following a hot shutdown from a previous engine run. Under these conditions, turbocharger lubrication oil systems could have lost sufficient "prime" oil supply leading to delayed pressure buildup. The cumulative wear, which would have been minimized with continual oil supply, led to the components failure. Final corrective action was completed on 4/8/84, with the completion of a design change to the engine lubrication systems. With this design change, lubricating oil is continuously supplied to engine components necessary to support an emergency start under initial and repeat start conditions.

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October 31, 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. 82-005/03X-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 diesel generator No. 2 to start during its monthly surveillance test. This is an update to a previous submittal dated March 23, 1982.

Very truly yours,

J. Ted Enos
Manager, Licensing

JTE: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
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