

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

On 3/31/82 while in Mode 1 at 100% full power, charging pump 2P-36A was found to be leaking during a routine operations tour. Pump 2P-36A was operating at the time of the discovery. Charging pumps 2P-36B & 2P-36C were operable at the time of the occurrence. The leak was small and drained to the radwaste system. This occurrence is reportable per T.S.G. 1.9.d., as an abnormal degradation of a system designed to contain radioactive material.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP SUBCODE		VALVE SUBCODE		REVISION NO	
P C 11		E 12		B 13		P U M P X X 14				E 15		Z 16			
9 10		11		12		13				19		20			
LER/RO 17 REPORT NUMBER	EVENT YEAR 1 8 2 21 22	---	23	SEQUENTIAL REPORT NO.	0 1 2 24 26	/ 27	OCCURRENCE CODE		0 3 28 29	REPORT TYPE	X 30	---	31	1 32	
ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
X 18 33	Z 19 34	Z 20 35	Z 21 36	0 0 0 0 22 37 40		Y 23 41		Y 24 42		N 25 43		G 0 4 5 26 44 47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 | The cause of the leak was a cracked cylinder head. The pump 2P-36A was taken out of service and declared
1 1 | inoperable. Pumps 2P-36B and 2P-36C were lined up to satisfy T.S.3.1.2.4. An engineering evaluation
1 2 | determined that the cracked head was caused by pump starvation and subsequent shock loading of the cylinder
1 3 | wall. Follow-up investigation revealed that a loss of volume control tank (VCT) level had occurred
1 4 | previously. The indicated level at this time decreased from 72% to 57%. Subsequently the charging (cont)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION	
E 128	1 0 0 29	NA	A 31	Operator Observation	
9	10	13	30	46	132
ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY		LOCATION OF RELEASE	80
Z 133	Z 134	NA	135	NA	
9	10	11	44	45	136
PERSONNEL EXPOSURES					80
NUMBER	TYPE	DESCRIPTION			
0 0 0 137	Z 138	NA			
9	11	12	13		139

PERSONNEL INJURIES		80
NUMBER	DESCRIPTION	
1 0 1 0 1 0 1 40	NA	
9	11 12	141
LOSS OF OR DAMAGE TO FACILITY		80
TYPE	DESCRIPTION	
1 Z 142	NA	143

		PUBLICITY											
		ISSUED	DESCRIPTION										
<u> 2 </u>	<u> 0 </u>	<u>N</u>	<u>44</u>	<u>NA</u>									
7	8	9	10		145								
					68	69							80

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LER No. 50-368/82-012/03X-1

Occurrence Date: 03/31/82

Cause Description and Corrective Actions (Continued)

pump flow indication became erratic. Upon investigating the occurrence the level indication was found to be reading incorrectly. Gas was found in the flow and level transmitters corroborating the determination of pump starvation. The cause of the incorrect VCT level indication was loss of the reference leg. The cracked cylinder head was replaced. The VCT level transmitter surveillance frequency has been increased to provide more frequent checks of the reference leg condition. The VCT level instrumentation calibration performed during the last refueling revealed satisfactory results.



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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 82-012/03X-1

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 2 Technical Specification 6.9.1.9.d, attached is the subject report concerning charging pump 2P-36A which was found leaking while in Mode 1 operation. This is an update to a previous submittal dated April 21, 1982.

Very truly yours,

John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard P. Denise, Director
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1/1