

No. 3-81-09/3L

This LER concerns Unit 3 HPCI system inoperability due to a defective diaphragm in an oil line pressure control valve. Governing Technical Specification is 3.5.C.1.



CONTROL BLOCK: \_\_\_\_\_ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

P A P B S 3 0 0 - 0 0 0 0 0 - 0 0 3 4 1 7 1 1 4

LICENSEE CODE 14 15 LICENSE NUMBER 29 30 LICENSE TYPE 31 32 CAT 33

REPORT SOURCE L 6 0 5 0 - 0 2 7 8 7 0 2 1 6 8 1 0 0 3 0 5 8 1 9

60 61 JACKET NUMBER 62 63 EVENT DATE 64 65 REPORT DATE 66

02 During a surveillance test with unit at full power, an oil leak of about  
03 3 to 5 GPM was discovered on the oil supply line to HPCI turbine manual/  
04 overspeed trip mechanism. If HPCI turbine had started with oil leaking  
05 from line, oil would still have been supplied to the bearings for about  
06 30 minutes at reduced pressure. At that point a turbine bearing low  
07 pressure alarm would have been received. Remaining EOCs systems were  
08 immediately verified operable. Previous LERs: 3-81-03, 3-77-52, 2-77-45.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP SUBCODE		VALVE SUBCODE	
S	F	E		B		V	A	L	V	E	X	D	H
(11)		(12)		(13)						(14)		(15)	(16)
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE				REPORT TYPE		REVISION NO.			
8	4	009		03				L		0			
(17)		(18)		(19)		(20)		(21)		(22)			
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		PRIME COMP SUPPLIER	
A	Z	Z	Z	Z		0	0	0	0	N		Y	A
(18)	(19)	(20)	(21)	(22)		(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (31)													

1 Cause was a ruptured diaphragm on the Robertshaw oil pressure control  
2 valve model VC-210. A new diaphragm was installed and the system was  
3 satisfactorily tested and returned to service the same day. GE is  
4 currently investigating a more suitable diaphragm material or replace-  
5 ment valve as currently available diaphragms have not proven reliable.

FACILITY STA. US										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
ACTIVITY CONTENT OF RELEASE										AMOUNT OF ACTIVITY										LOCATION OF RELEASE																													
PERSONNEL EXPOSURES										PERSONNEL INJURIES										LOSS OF OR DAMAGE TO FACILITY																													
NUMBER										NUMBER										TYPE																													
DESCRIPTION										DESCRIPTION										DESCRIPTION																													
PUBLICATION										ISSUED										NRC USE ONLY																													
DESCRIPTION										DESCRIPTION										DESCRIPTION																													

A002  
S0

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