

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

REPORT
SOURCE

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On 11-12-80, with Unit 2 in refueling an LLRT by procedure HNP-2-3952
0 3 | was performed on the RHR return inboard & outboard thermal expansion
0 4 | bellows of drywell penetration X13A. On 11-13-80, when the LLRT coor-
0 5 | dinator reviewed the data sheet it was determined that the bellows
0 6 | were leaking in excess of specified acceptance criteria. The health &
0 7 | safety of the public were not affected by this repetitive event as last
0 8 | reported on LER 50-366/1980-155.

0	9		S	D	11	E	12	X	13	P	I	P	X	X	14	A	15	Z	16		
7	8		9	10		11		12	13				18		19		20				
(17) LER/RO REPORT NUMBER		EVENT YEAR				SEQUENTIAL REPORT NO.				OCCURRENCE CODE				REPORT TYPE				REVISION NO.			
80		21		22		23		24		25		26		27		28		29			
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER					
Z	18	F	19	Z	20	Z	21	0	0	0	0	Y	23	N	24	A	25	X	9	9	26
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The leakage of the bellows was due to cracks in the test connection
1 1 tubing which were apparently caused by the weight of a test connection
1 2 valve 2T23-F125. The valve was removed & a threaded cap installed on
1 3 the line. The bellows was retested successfully prior to startup & had
1 4 an as-left leakage of 0 accm.

8 9
FACILITY STATUS (28) 1 5 H
% POWER 0 0 0 (29) OTHER STATUS (30) NA
METHOD OF DISCOVERY (31) B DISCOVERY DESCRIPTION (32) Performed LLRT
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
RELEASED OF RELEASE

1 6 Z 33 10 34 11 NA 44

AMOUNT OF ACTIVITY (35)

LOCATION OF RELEASE (36)

NA 45 80

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	(39)

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	2	3	4
0	0	0	40
		NA	

8304050203 830322
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S PDR

		LOSS OF OR DAMAGE TO FACILITY		(43)
		TYPE	DESCRIPTION	
1	9	Z	(42)	NA

PUBLICATION		NRC USE ONLY
ISSUED	DESCRIPTION	
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2 0 N 44 NA 68 69 80

NAME OF PREPARER H. L. Sumner - Supt. Plt. Eng. Serv.

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LER #: 50-366/1980-156, Rev. 1
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1980-156, Rev. 1
Update Report - Previous Report Date 12-11-80

On 11-12-80, with Unit 2 in the refueling mode, a local leak rate test was performed per procedure HNP-2-3952, "PRIMARY CONTAINMENT PERIODIC TYPE B AND TYPE C LEAKAGE TESTS", on the RHR return "A" line inboard and outboard thermal expansion bellows of drywell penetration X13A. On 11-13-80, the LLRT coordinator reviewed the data in which the outboard bellows were found to be leaking at 400 acm, and the inboard bellows' leakage was such that the test volume could not be pressurized. Since the test volume on the inboard bellows could not be pressurized it must be assumed that the .60 Ia overall allowable leakage limit of Tech. Specs. 3.6.1.2.B.1 would have been exceeded. In addition good engineering practices dictate that the 400 acm leakage of the outboard bellows be repaired to prevent the leakage from exceeding specified criteria. Since the leakages were due to cracks in the testline which communicates to the area between the inner and outer ply of the bellows, primary containment was maintained as required by Tech. Specs. 3.6.1.1 by the inner ply of the bellows. The bellows will be retested by LLRT procedure HNP-2-3952 when the test connections are repaired prior to startup to verify that test connections are repaired prior to startup to verify that primary containment integrity had been maintained (also to verify successfulness of modification). This is a repetitive occurrence - see LER 50-366/1980-155. There were no effects on public health or safety due to this event.

The leakage of both expansion bellows was due to cracks in the 1/4" nominal sch 80 carbon steel pipe of the test connection which were probably caused by stresses resulting from the pipe supporting the weight of gate valves which were installed on the test connection piping. The valves on the test connection piping are neither required by any acceptance criteria nor do they serve any purpose; therefore, the valves should be removed from all drywell penetrations where this condition may exist. Drywell penetrations which have a potential for developing cracks due to this arrangement of the test connection are as follow: the main steam line drywell penetrations (X7A, B, C, D), the condensate drain penetration (X8), the 2 feedwater inlet penetrations (X9A, B), the RCIC steam penetration (X10), the HPCI steam penetration (X11), the RHR suction penetration (X12), the 2 RHR return penetrations (X13A, B), the penetration (X12), the 2 RHR return penetrations (X13A, B), the RWCU supply penetration X14, the 2 core spray penetrations (X16, A, B) and the RPV head spray penetration (X17). Test connections on all of the above thermal expansion bellows were retested by LLRT procedure HNP-2-3952 prior to startup and found to be acceptable. Gate valves were removed and threaded caps installed in their place. Similar problems are non-existent on Unit 1.