

LICENSEE EVENT REPORT

Update Report

Previous Report Date 3-27-80

CONTROL BLOCK:

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	G	A	E	I	H	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5							
7	8	LICENSEE CODE						14		LICENSE NUMBER										25		LICENSE TYPE					30			37	CAT 58					5

CON'T

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During the performance of LLRTs while shutdown for a surveillance/vent
03 header deflector installation outage, various containment isolation
04 valves have not had acceptable results during their initial tests. These
05 valves are as follows: HPCI turbine exhaust valve 2E41-F049, feedwater
06 check valve 2B21-F010B, and equip. drain sump isol. valve 2G11-F029.
07 The health and safety of the public were not affected by this repetitive
08 event as last reported on LER 50-366/1990-022.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE							
0	9	Z	Z	X		X		V	A	L	V	E	X	X		X			
7	8	9	10	11	12	12	13	13	14	15	16	17	18	19	20	21	22		
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
17		8	0			0	2	1	/	0	3	X		1					
21	22	23	24	25	26	27	28	29	30	31	32								
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
B	B	Z		Z		0	0	0	0	Y		N		N		X	9	9	9
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of the unacceptable leakage rates for these valves is given in
1 1 the attached narrative report. Each of these valves was repaired and
1 2 retested prior to startup and met the acceptance criteria of Tech. Specs.
1 3 and 10CFR50 Appendix J.

A number line starting at 7 and ending at 90. The segment from 7 to 8 is divided into 4 equal parts, with a box containing the number 1 above the first part and a box containing the number 4 above the entire segment. The segment from 8 to 9 is divided into 8 equal parts. The segment from 9 to 90 is divided into 80 equal parts, with a box containing the number 80 above the entire segment.

FACILITY STATUS: 1 5 G (29) % POWER: 0 0 0 (29) OTHER STATUS: (30) METHOD OF DISCOVERY: B (31) DISCOVERY DESCRIPTION: (32) Local Leak Rate Testing

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z (33) Z (34) NA (35)

7 8 9 10 11 44

NA LOCATION OF RELEASE (36)

45 80

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	(39)
7	8	9	11	12	13				80

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	41 NA

1		9		Z		42		43		NA		8304050387 830322		PDR ADDCK 05000366		S		PDR					
7	8	9	10																				

PUBLICITY										NRC USE ONLY									
ISSUED		DESCRIPTION																	
2	0	N	44	NA															
7	8	9	10	68 69 70 71 72 73 74 75 76 77 78 79 80															

H. L. Sumner - Supt. Plt. Eng. Serv.

912-367-7851

NAME OF PREPARER

PHONE

LER #: 50-366/1980-021, Rev. 1
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1980-021, Rev. 1
Update Report - Previous Report Date 3-27-80

On 3-3-80, with the unit in cold shutdown for a surveillance/vent header deflector installation outage, local leak rate testing being performed per HNP-2-3952, PRIMARY CONTAINMENT PERIODIC TYPE B AND TYPE C LEAKAGE TESTS, showed that HPCI turbine exhaust outboard isolation valve 2E41-F049 was leaking in excess of specified criteria (test volume would not pressurize). Then on March 6th and March 11th, it was discovered that feedwater isolation check valve 2B21-F010B and equipment drains sump isolation valve 2G11-F020 (respectively) were leaking in excess of specified criteria (test volumes would not pressurize).

The leakage of valve 2E41-F049 is not included as part of the .60 La overall leakage limit of Tech. Specs. section 3.6.1.2.b.1; however, its leakage rate must satisfy the requirement of 10CFR50 Appendix J, paragraph III.C.3.(b); i.e., "The installed isolation valve seal-water system fluid inventory is sufficient to assure the sealing function for at least 30 days at a pressure of 1.10 PA. Thus, since the test volume could not be pressurized it was decided that this requirement was not being met. (Torus water is seal water system for this valve).

The leakage of valve 2B21-F010B is not included as part of the .60 La limit of Tech. Specs. section 3.6.1.2.b.1; however, it is included as part of the .009 La limit for potential bypass leakage paths specified in section 3.6.1.2.b.1. The leakage of 2G11-F020 is included in both the .60 La and the .009 La limits.

This is a repetitive occurrence (Refer to RO Report #50-366/1980-022). There was no effect upon public health or safety as a result of this event.

The cause of the leakage for the 2E41-F049 valve appeared to be normal wear and tear on the valve. Corrective maintenance consisted of lapping both the disc and the seat ring and replacing the cover gasket. The after-maintenance leakage was 145 actual cubic centimeters per minute.

The leakage for the 2B21-F010B valve was caused by the hinge pin springs forcing the disc to shift sideways thus preventing it from seating properly (apparently due to normal wear and tear on the springs). Corrective maintenance consisted of replacing the hinge pin springs, replacing the pressure seal, and lapping the valve seat and disc. The after-maintenance leakage was 83 actual cubic centimeters per minute.

The cause of the leakage for the 2G11-F020 was due to the improper adjustment of the limit switch actuators. Before the valve could fully seat, the limit switch actuators would contact the valve stem position indicator and bottom out thus causing an incomplete valve seat. The valve limit switches were re-adjusted and a final leak rate test revealed a leakage of 55 actual cubic centimeters per minute.

This is not generic although valve leakage during LLRT is common to both units.