

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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CON'T

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7	8

REPORT SOURCE

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

02 'B' LPCI inverter R44-S003 tripped on 4 separate occasions on high temp
03 resulting in loss of power to 'B' recirc suction and discharge valves
04 and LPCI injection valve (making RHR B loop inop). 'B' LPCI inverter
05 12R44-S003 tripped while separately backseating recirc suction and dis-
06 charge valves 2B31-F023B and F031B, respectively. The recirc valves and
07 LPCI injection valve had no power making RHR B loop inop. There were
08 no effects upon public health and safety due to this event.

SYSTEM CODE E D 11		CAUSE CODE E 12		CAUSE SUBCODE G 13		COMPONENT CODE G E N E R A 14		COMP. SUBCODE F 15		VALVE SUBCODE Z 16	
LER/RO REPORT NUMBER 17		EVENT YEAR 8 1 21 22		SEQUENTIAL REPORT NO. 0 5 2 24 26		OCCURRENCE CODE 0 3 28 29		REPORT TYPE L 30		REVISION NO. 0 32	
ACTION TAKEN A 18		FUTURE ACTION E 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22 23 24 25		ATTACHMENT SUBMITTED Y 23	
NPRD-4 FORM SUB. Z 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER E 3 5 5 26							

1 0 Tripping of R44-S003 was attributed to defective switch(es) in the in-
1 1 verter leg(s). These switches will be replaced to prevent recurrence
1 2 of this problem. Cause for 2R44-S003 could not be determined since all
1 3 alarms were reset and not noted. Further investigation will be per-
1 4 formed when Unit 2 has an outage of sufficient duration to do so.

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

FACILITY STATUS (1) 5 (28) E (29) 0 7 2 (30) NA (31) A (32) Operator Observation

% POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 7 8 9 10 11

7 8 9 10 11

NA

AMOUNT OF ACTIVITY (35)

45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

NA

LOCATION OF RELEASE (36)

80

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

PERSONNEL INJURIES		NUMBER	DESCRIPTION
1	8	40	NA

1		9		Z		42		43	
TYPE		DESCRIPTION							
						NA			

PUBLICITY
 ISSUED (2) (0) DESCRIPTION (45) 8107280382 810709
 PDR ADDCK 05000321
 S PDR
 NRC USE ONLY
 7 8 9 10 68 69 80

NRC USE ONLY

NAME OF PREPARER C. L. Coggin, Supt. Plt. Eng. Serv. PHONE: 912-367-7851

LER #: 50-321/1981-052
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-321

Narrative Report
for LER 50-321/1981-052

The 'B' LPCI inverter R44-S003 tripped on overtemperature on four (4) separate occasions. These trips occurred on 6-10-81 at 0317 CDT, 6-18-81 at 0010 CDT, 6-18-81 at 1217 CDT, and 6-21-81 at 1850 CDT and were reported on deviation report numbers 1-81-119, 1-81-128, 1-81-130, and 1-81-134, respectively. The cause of these trips was attributed to defective temperature switch(es) in the inverter leg(s). All the temperature switches will be changed out to prevent recurrence of this problem. Following each trip the inverter was reset and returned to service. The loss of this inverter resulting from an overtemperature trip was reported on LERs 50-321/1980-082, 092, 102, but was attributed to lack of cooling water to the inverter room air conditioner causing a high temperature in the inverter room. The trip in this report was attributed to defective temperature switches which is not a repetitive occurrence for this inverter.

The 'B' LPCI inverter 2R44-S003 tripped on two (2) occasions while separately backseating recirc suction and discharge valves 2B31-F023B and F031B, respectively. These trips occurred on 6-16-81 at 1315 CDT for 2B31-F023B and on 6-16-81 at 1422 CDT for 2B31-F031B and were reported on deviation report numbers 2-81-102 and 2-81-104. The cause for these trips could not be determined since the alarms on the inverter were reset and not recorded. A standing order was written requiring operations personnel to record all alarms prior to returning the inverter(s) to service. This will give sufficient information in the future to determine the cause of an inverter trip. When Unit 2 has an outage of sufficient duration the above valves will be backseated at separate times in an attempt to simulate the condition that caused this inverter to trip. The loss of the inverter in the preceding manner is a nonrepetitive occurrence.

An update report will be issued following the replacement of the temperature switches on R44-S003 and completion of the investigation into the tripping of 2R44-S003.