

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.