



LER #: 50-366/1981-103  
Licensee: Georgia Power Company  
Facility Name: Edwin I. Hatch  
Docket #: 50-366

Narrative Report  
for LER 50-366/1981-103

On 11-5-81, with the Unit 2 reactor shutdown following an MSIV closure SCRAM Bechtel engineering personnel were performing an inspection of electrical conduit within the Torus room area. During their inspection four defective welds were discovered on RHR Service water pipe support 2E11-RSW-R26, on the "B" RHR service water line downstream of the RHR heat exchanger. Deviation Report 2-81-190 was written, and is reportable under Tech Spec section 6.9.1.9.b. The preliminary recommendation by the A/E was to repair the defective welds, loosen the U-bolt to the proper clearance, and inspect the remaining support welds. These recommendations were implemented per Maintenance Request No. 2-81-4298. The A/E performed a stress analysis to determine the piping integrity. This analysis revealed that the piping was not subjected to any stress beyond its design capacity. Therefore, the "B" loop of the Unit 2 RHR Service water system was not declared inoperable. There were no effects upon public health and safety due to this event. This is a non-repetitive event for this system.

The cause of the support failure has been attributed to the tight fit of the support U-bolt around the pipe line. The U-bolt should have been installed with a clearance of 1/16" around the pipe line to allow axial movement. Due to an installation error, the U-bolt had been installed originally without any clearance. Following the repair an inspection of the pipe support was performed and no other defects were found. To further ensure system integrity the A/E is performing a structural analysis to determine the exact loading effect the failed support would have upon the other pipe supports on this line. When this analysis is complete an update report will be submitted.