

LER No.: 50-366/1980-C94, Rev. 2
Licensee: Georgia Power Company
Facility: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1980-094, Revision 2
Update Report - Previous Report Date 8/6/80

On June 13, 1980, with the reactor at 100% power, and during the performance of routine surveillance (required by Tech. Specs. 4.6.4.1.a) on the suppression chamber (torus) to drywell vacuum breakers, the "B" vacuum breaker failed to open. The required surveillance was immediately performed on the operable vacuum breakers per Tech. Specs. 3.6.4.1, ACTION a. The health and safety of the public were not affected by this repetitive event as last reported on LER No. 50-366/1980-062.

When personnel were able to enter the torus on July 27, 1980, they discovered that the air supply line to the air cylinder of the "B" vacuum breaker was broken. The broken air line and the air control valve were replaced. The "B" vacuum breaker was then satisfactorily tested per the "SUPPRESSION CHAMBER TO DRYWELL VACUUM BREAKER DELTA P TEST" procedure and returned to service on July 29, 1980.

For other vacuum breaker problems discovered during this outage, refer to LER No. 50-366/1980-108.

Although the "B" vacuum breaker could not be proven operable by surveillance testing due to the problems with the air cylinder, the mechanical operation of the vacuum breaker was not impaired. The vacuum breaker would have performed its designed function if an actual differential pressure had occurred between the drywell and suppression chamber.

Further investigation attributed the breakage of the air supply line(s) to vibration. In August, 1980, a design change (DCR #80-289) was initiated which will change the existing air supply line (tubing) for all the torus to drywell vacuum breaker air control valves to a flexible tubing which will withstand the ambient vibration.