

Update Report; Previous Report Date 2-17-81
(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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LER #: 50-366/1980-045, Rev. 4
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1980-045, Rev. 4

With the unit in cold shutdown a leak rate test was performed on the ADS valves air supply accumulator check valves in response to IEB 80-01. Results of this test were transmitted to the AE for analysis. The AE determined that the leakage rates that were found were unacceptable and that a loss of air supply could lead to ADS inoperability. The procedure that dealt with the operator's response to an air supply low pressure alarm did not address this possibility.

These accumulator/check valve subsystems have no direct backup systems. The air supply to the ADS valves can be obtained from the nitrogen inerting system or the instrument air system.

An automatic interlock has been installed which will line up the supply line to nitrogen in the event of an instrument air failure. There is also a manual bypass line which can be used to supply nitrogen in the event of a failure of the automatic backup.

It is believed that this leakage was a result of heat damage to the valves which occurred during installation welding. Replacement valves with extremely small leakage rates prior to installation showed unacceptable leakage after welding. We were unable to obtain acceptable leakage rates for any of these valves. The AE has specified a soft-seated model with an O-ringed cap and longer nipples in order to alleviate the heat damage problem. These soft-seated valves are on order and were to be installed during the current refueling outage. There has been some degree of difficulty in obtaining the suitable valves. Although the order has been expedited, delivery will not be made until after Unit 2 is restarted. Replacement of these valves will be rescheduled for the next refueling outage. The Unit 1 ADS air supply accumulator check valves were leak rate tested during the 1981 refueling outage. 2 out of 7 valves exhibited unacceptable leakage rates. Due to unavailability of parts during the 1981 refueling outage, these valves will be replaced with soft-seated valves during the next Unit 1 refueling outage. Procedures for both unit have been revised to call for declaration of ADS inoperability upon receipt of an air supply line low pressure alarm. This provides assurance that a possibly unsafe condition will be recognized and dealt with in a controlled manner. This is a nonrepetitive occurrence. This event posed no threat to public health or safety.